

CRUTCHFIELD®

Fall 1991 / Winter 1992

Inside...

- 83 new products
plus
- Dozens of new low prices!

Audio/Video, Car Stereo, Telephones
AT LOW DISCOUNT PRICES!

"The Best of the Best"

Announcing... the annual Crutchfield Gold Award winners! In recognition of superior quality and engineering, and designs which best meet our customers' demands, here are our winners for 1991.

Kenwood KRC-3004 In-dash Receiver

(featured on page 18) Our customers know a real winner when they see one, and that's why the feature-packed Kenwood KRC-3004 quickly became a top favorite.



Sony XTC-100 Tuner/Amp/CD Changer Controller

(featured on page 22) This clever in-dash unit gives you FM/AM tuning, a powerful built-in amplifier (with 20 watts x 4 channels), and complete control for a Sony 10-disc CD Changer!



Infinity CS-5 Component Speaker System

(featured on page 39) Infinity's exceptional CS-5 system includes 5 1/4" mid/woofers (available in other sizes, too), precision-matched crossovers, and separate Polycell tweeters you can mount near ear level for superior imaging.



JVC KS-RG4 In-dash Receiver and XLM-G600 CD Changer

(featured on page 20) Never before has it been so easy to own an in-dash receiver (for enjoying cassettes and AM/FM radio) and a 6-disc CD Changer. Now you can have it all, at a break-through price.



Kenwood KR-V7030 Receiver

(featured on page 77) This powerful Kenwood receiver will turn your listening room into a Home Theater, with Dolby® Pro Logic Surround Sound and 5 built-in amplifiers for front, rear, and center channels.

JVC MX-70 Mini Component System

(featured on page 80) Small enough to fit on a bookshelf, or perfect as an office or bedroom system, the MX-70 is a winner. You'll be amazed at the BIG sound and the conveniently small size.





Pioneer PD-7700 CD Player

The unique Stable Platter mechanism of Pioneer's PD-7700 completely eliminates the problems associated with disc vibration: CDs are placed "music side up" on a turntable-like platter. (featured on page 86)



Sony CPD-C515 CD Changer

The latest generation of Sony's 5-disc Carousel CD Changer, the enormously popular CDPC515 gives you instant access to any song on any disc. (featured on page 85)



Advent Baby II

A long-time best seller, the Baby Advents keep on making happy customers, year after year. (featured on page 99)



Infinity Reference Four

High technology hits home, with Infinity's Injection Molded Graphite cones and EMIT-R tweeters. Your music never sounded so good. (featured on page 100)



Sony CCD-F401 Camcorder

The sleek styling, a wealth of useful features, and the convenience of full remote-controlled operation—it adds up to one very impressive Sony camcorder. (featured on page 115)

Sony SPP-320 Cordless Phone

Sony brings you the best of both worlds. The SPP-320 combines a fully-featured desk/wall-mount phone with the best cordless phone on the market. (featured on page 119)



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Alan Kocotas
Car Stereo
Merchandising Manager

Car Stereo

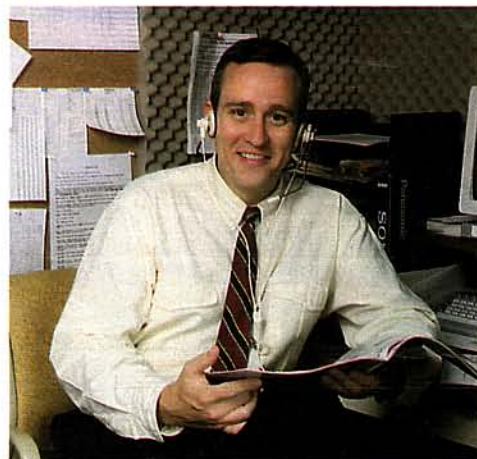
We have some good news... and some even better news. First, the good news. Never before have there been so many ways to enjoy music in your car. New technologies, a wider range of models to choose from, more competitive prices: it all adds up to more car stereo enjoyment for your money.

Now, for the better news. There's a friend you can turn to for expert advice on what will fit your car, your personal tastes, and your budget. That friend, with all this vital knowledge, is the Sales Advisor you'll talk with when you call Crutchfield.

With our 18 years of experience in matching car owners and stereos, we guarantee we'll find the right

system for you. Crutchfield's exclusive computerized database has exact fit information on over 2,300 different cars. Just tell us what kind of car you have, and we will recommend the components that match perfectly.

In this catalog, on pages 58-67, we also give you a chart showing what fits in the most popular late-model cars. Please remember that on these pages we can only fit a small fraction of the information that's in our database. But, this Installation Guide will give you a basic understanding of what in-dash receivers will work in your car, and the size and location of speakers you'll be able to use.



You won't get a high-pressure sales pitch when you call Crutchfield. Just reliable answers from skilled, courteous professionals backed by the most complete computerized database anywhere.

The In-dash Receiver:

The heart (and brain) of a car stereo system is the in-dash receiver. It tunes in radio stations, plays cassette tapes or Compact Discs, and usually powers one or more pairs of speakers. The features built into the receiver you choose determine what you will (and won't) be able to do with your system.

To help you find the right in-dash receiver, let's now take a look at the most popular features and conveniences.

The Tape Section:

Being able to play cassette tapes puts you in command of your listening. Cassettes are now the most popular format for buying prerecorded music. And, of course, if you have a cassette deck at home you can make your own customized tapes of just the songs you like.

Here are the most important features to look for in a good car stereo cassette deck:

- **Auto Reverse**—for continuous, uninterrupted play of both sides of a cassette, without having to flip the tape over.
- **Tape EQ Switch**—you can enjoy wider frequency response by being able to use superior High-Bias and Metal tapes in your deck.
- **Dolby Noise Reduction**—get rid of annoying tape hiss with Dolby and you'll literally hear more music.
- **Tape Music Search**—find songs fast with this handy feature that locates the blank spaces between tracks on your tapes.

System Control Features:

One of the biggest differences between a factory radio and a high quality in-dash

receiver is the amount of control you have over your system. Having more control features built into your receiver ensures you'll get more music enjoyment out of your system. Here are the most important controls to look for.

- **Separate Bass and Treble Controls**—just like on your home audio system, you can fine-tune the sound to your tastes and compensate for small, bass-shy speakers.
- **Fader**—in addition to a Balance control for adjusting the levels of the left and right channels, with a fader you can balance the output of front and rear speakers. Please see the chart on page 6 for an explanation of our six fader types.
- **Preamp Outputs**—they make it easy to add an external power amplifier (or other components like an equalizer or an electronic crossover). Preamp Outputs let you expand your system by simply plugging add-on components into the in-dash receiver, just like in your home system.
- **CD Changer Control**—now enjoy the best of both worlds with an in-dash receiver that can play cassettes and lets you control a 6- or 10-disc CD Changer mounted in your trunk.

Tuning in quality FM reception:

All of our in-dash receivers feature Digital Frequency Synthesis tuners for superior reception. This design makes possible numerous conveniences, such as:

- **Station Memories**—for handy one-touch tuning of up to 30 radio stations.
- **Station Scanning**—to get a 5-second sampling of each station automatically.
- **Best Stations Memory**—automatically locates and memorizes the strongest,

clearest stations at the touch of a button. A great feature to have when you travel to different cities.

Digital tuners let you enjoy listening to the radio without the annoyance of station drift. The better tuners also offer much more. Because a car is constantly in motion, maintaining good, clean reception is a challenge. Special tuner circuitry like Pioneer's Supertuner III and Sony's SSIR can constantly analyze the signal and adjust for the clearest sounding reception possible. That's the beauty of a sophisticated tuner: you don't hear it working (adapting to and manipulating the ever-changing signal), you just hear the music.

Compact Disc Players: the ultimate in sound quality.

If you own a home CD player, you know what an enormous improvement it made to the sound quality of your stereo system. No more background noise. No more tape hiss. No scratches and pops. Just pure music, with lots of bass, crystalline highs, and the full range of dynamics.

Now, you can experience the CD revolution all over again in your car. Instead of a cassette player in your dash, you can choose an in-dash receiver that plays Compact Discs. Or, you can add the non-stop music convenience of a CD Changer mounted in your trunk or under the seat. With a car CD player you can have:

- **Near-perfect Compact Disc sound**, with full 20-20,000 Hertz frequency response
- **Instant track access**, so you can hear the exact song you want when you want
- **Track scan**, for a quick sample of every song on a disc

- **Random Play**, so you won't get tired of the same song sequence
- **Up to 10 hours of non-stop music** as you drive, with a CD Changer
- **Direct access** to any song on any of the 6 or 10 discs in the CD Changer's magazine
- **Magazine compatibility** with home CD Changers, for added convenience

Whether your interest leans toward a single-disc in-dash unit or a multi-disc CD Changer, we'll be glad to help you find the right model. Just call Crutchfield toll-free and your friendly Sales Advisor will explain all your options. And, as with any Crutchfield purchase, we'll guarantee your total satisfaction.

Finding the Perfect Fit

In addition to getting all the features you want in your new car stereo, there's one more essential ingredient: making sure it's the right fit for your car.

On pages 58 to 67 in this catalog, you'll find our Installation Guide. By looking up your car's make, model, and year in the chart, you'll get a basic idea of what will work for you. We list our "Easy-Fit" recommendations first, showing you what in-dash receiver sizes will slide right into your dash. Usually an Easy-Fit requires the use of a Crutchfield Custom Installation Kit, consisting of mounting brackets, a trim panel or faceplate, and related hardware. With one of our kits, you're guaranteed a faster installation and, most importantly, true professional-looking results.

Receiver sizes listed under the "Modify-Fit" heading will require extra work, such as filing, cutting, or drilling. We recommend that only experienced installers use the Modify-Fit option.

For speakers, we list a location code (such as front door panel or rear deck) and a size (like 6½" or 6"x9"). Once again, we start by showing you the Easy-Fit recommendation. If you don't mind re-drilling screw holes, or cutting vinyl or cardboard, take a look at the "Easy-Plus" listing. With this option, you can generally fit larger, better-performing speakers with a minimal amount of effort.

The speaker locations and sizes in the "Modify-Fit" column require extra work: cutting new speaker openings, or extensive filing or metal cutting. Again, these installations are best left to the experienced.

The Installation Guide is designed to give you a basic understanding of what fits in your car. But, it represents only a small fraction of the information we have available. When you call Crutchfield, your Sales Advisor will have at his fingertips complete data on your car (assuming, of course, it's one of the over 2,300 models in our database). We know the size of your car's dash opening, every possible speaker location, and which installation kits, wiring harnesses, and antennas you can use. Your Sales Advisor can also check a listing of every in-dash receiver and speaker we sell that will fit!

Powering your system:

There are two basic choices for powering your system. You can use the internal power of the in-dash receiver. Or, you can add an external power amplifier. Which way you choose depends on how many speakers you want to drive, and how loud you like your music.

For a basic 2- or 4-speaker system, you get good results from the standard 3 to 4 watts of internal power you'll find on our most affordable receivers.

Using a pair of front dash speakers and a



Remember, if you have any questions about installing or operating your new Crutchfield system, our helpful Technical Experts are available 7 days a week, 8 AM to Midnight (Eastern time). Toll free, of course.

pair of 5¼" or 6½" speakers in the rear, you'll have plenty of power for listening at reasonable volume levels.

If you like lots of bass and want to drive larger speakers, look for an in-dash receiver with High Power. These 10 to 15 watt per channel models can handle the demands of big speakers. And the extra headroom means your music will be reproduced more accurately.

Finally, if you really like to crank it up loud or you want to add a subwoofer, we recommend using an external power amplifier. Look for an in-dash receiver that has pre-amp outputs, so you'll be able to plug a power amp right in. (For much more information about power amplifiers, please see page 48.)



Speaking of Speakers...

The speakers you choose play a major role in determining how your car stereo system sounds. Most often they're the easiest components to replace and upgrade. Upgrading your speakers is also the most cost-effective way to improve your whole system.

As with your home stereo system, your car speakers should be able to reproduce as much of the audio spectrum as possible. Full-range sound is made possible by having separate tweeters for the highs, mid-range drivers for the crucial middle frequencies, and woofers for solid bass. Speakers with separate tweeters and woofers are called two-way designs; models with tweeters, midranges, and woofers are three-ways. When you consider that most factory speakers only use a single paper cone, you can easily understand why it's so easy to improve your system by replacing them with a pair of our speakers.

By referring to our Installation Guide (on pages 58-67), you can get a general idea of what speaker sizes will fit in your car. Look for the location letter codes (explained in the diagram at the bottom of each righthand page in the Installation Guide) and sizes listed under the "Easy-Fit" heading. These recommendations are direct factory-speaker replacements. This means you can simply pull out the factory speakers, re-connect the wiring to your new ones, and install them using the same screw holes. It's that easy to get much better sound.

For still-better sound, you should take a look at our matched component speaker systems on pages 38 and 39. These models feature completely separate tweeter modules, woofers (available in 4", 5¼", and 6½" sizes), and crossovers. In a typical installation, you would mount the woofer in the front door panel, taking advantage of the door as an enclosure for deeper bass. You can mount the small tweeters up high, closer to ear level for better dispersion and imaging. The crossover that's included is custom-matched to the woofer and tweeter for optimum performance.

Matched component systems are growing in popularity faster than any other full-range speaker category. But, most popular of all recently have been our subwoofers. Almost everybody likes deep bass, especially car stereo enthusiasts. The nice thing is that powerful bass is relatively easy to get in a car. The interior space is fairly small (compared to your living room, for example), so a pair of subwoofers can have a really big impact in your car.

There are several ways to add subwoofer excitement to your car. You can use a self-contained subwoofer module, like the Bazookas you'll see on page 40. You can mount a free-air subwoofer driver (listed on page 44) under your rear deck or bolted behind your rear seat. You can add the subwoofer of your choice to

For a stereo that's guaranteed to fit your car perfectly, call Crutchfield. Using our exclusive computerized database with over 2,300 car models, your Crutchfield Sales Advisor will help you find the right components.

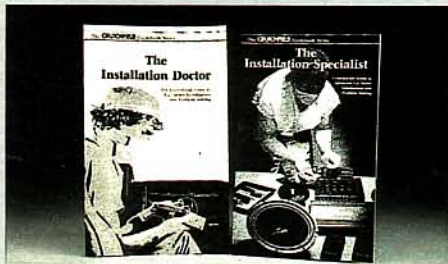
Finding the Right Car Stereo

a pre-made enclosure, like the ones shown on page 43. Or, if you are a serious do-it-yourselfer, you can build your own custom enclosure using one or more of our bass-reflex or sealed-box subwoofer drivers listed on page 45.

If you want lots of bass, please make sure you have enough power and that you use the right crossover. We strongly recommend using an electronic crossover, like the ones shown on page 47. There are several options available for powering your subs, and we'll be happy to discuss them when you call.

Yes, you can install your new car stereo yourself...

...once you've read *The Installation Doctor*, that is. It's our complete guide to car stereo installation written specifically for the do-it-yourselfer. Best of all, your copy is free for the asking.



Our *Installation Doctor* teaches you all the essentials about installing your new system. If you're interested in a more advanced, multi-amplifier system, be sure to read our *Installation Specialist*. Both Crutchfield guidebooks are free.

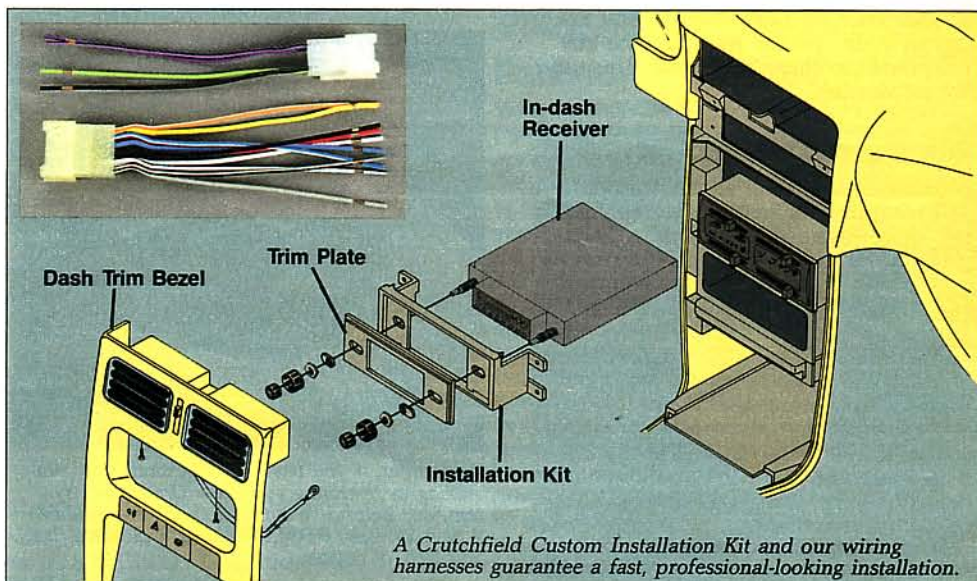
In the pages of *The Installation Doctor*, we'll show you how to install a complete system, step by step. This easy-to-read guide covers removal of a factory radio, installing speakers, mounting an antenna, wiring your equipment, installing your new in-dash receiver, and adding an amplifier. We also include a Troubleshooting Guide, just in case you hit a snag.

If you're ready to tackle a more elaborate system (with multiple amplifiers, crossovers, and component speakers), you should read our *Installation Specialist*. This new guidebook covers system design, component selection, speaker placement and proper mounting, system wiring, and fine-tuning of the system. We also include a detailed section on solving noise problems in your car.

The *Installation Doctor* and *The Installation Specialist* are based on nearly 20 years of Crutchfield car stereo experience. Both are packed with tips you could only get from a professional. These useful guidebooks are available only from Crutchfield. But your copies are free. Just ask.

In a 4-speaker system, a fader controls the output level of the front and rear speakers. We classify faders into 5 types, based on which outputs are controlled.

Fader	Front Speaker Outputs	Front RCA Preamp Outputs	Rear Speaker Outputs	Rear RCA Preamp Outputs	Independent RCA Preamp Outputs
Type #1	✓		✓		
Type #2		✓		✓	
Type #3	✓			✓	
Type #4	✓		✓		units with preamp outputs not fader controlled
Type #5	✓		✓	✓	



A Crutchfield Custom Installation Kit and our wiring harnesses guarantee a fast, professional-looking installation.

Protecting your investment

After you've invested in your new car stereo system, you want to make sure you'll be able to enjoy it for years and years to come. If you're worried about theft, you can rest easier thanks to some innovative new protection features.

Based on the principle that "if it's not there, it can't be stolen," we offer a full range of pull-out receivers. When you have to leave your car in an unsafe area, simply lift the handle and slide the receiver out of the dash. You see, all the wiring and cables are connected to a sleeve that's permanently mounted in the dash. The receiver itself can go with you, leaving nothing behind but an empty dash.

A new alternative to the fully removable receiver are the models with detach-

able control faces. Push the button and the entire front panel is removable, so you can take it with you. All that's left in the car is a blank space. Without the controls, the receiver is completely inoperable and of no value to a thief.

Of course, for maximum protection of your entire car and all its contents, you should consider one of our alarm systems. On pages 68 to 70, we feature systems that detect any type of tampering, shocks and impacts, glass breakage, etc. Most systems will disable the starter when triggered, so even if a would-be thief gets inside, he still can't steal your car.

For free expert advice on protecting your car and your stereo system, we invite you to call Crutchfield, toll-free.



Here are two ways to protect car stereo investment: a fully-removable in-dash receiver and the new detachable control face design.



Free Information Want to know more about car stereo systems? Ask for any of these Crutchfield Consumer Information Bulletins. They're free with any purchase.

- The Installation Doctor.....Item #000CAR
- The Installation Specialist (for advanced systems).....Item #000SPEC
- Installing a Car Amplifier.....Item #000CARAMP

- Installing Car Door Speakers.....Item #000DOORSPEK
- Installing Car Rear Deck Speakers.....Item #000DECKSPK
- Cassette Noise Reduction Systems.....Item #000CASSNR
- Adding a Subwoofer.....Item #000SUBS

Even if you're not planning to replace your car's factory receiver, there are several ways you can dramatically improve your sound system. The most common complaints we hear from factory system owners are: not enough power, a lack of flexibility, and above all, the speakers don't deliver true full-range sound. Fortunately, you can overcome all of these limitations. And Crutchfield will help you do it.

More Power!

Most factory radios are only capable of putting out a few watts per channel at best. (After all, they're designed to work specifically with factory speakers which have a limited frequency response.) To get true high-fidelity sound with your factory receiver, you will need the additional muscle of a good quality power amplifier.

As you can see in the illustration (below, right), adding an amp to a factory receiver

is pretty straightforward. Simply connect one of our preamp-level adapters (Item #127SNI35, \$19) between your factory receiver's speaker outputs and the power amp of your choice. Then, connect your speakers to the amplifier's outputs and you're ready to roll. Just give us a call toll-free and we'll explain all your options.

More Versatility!

While factory receivers don't give you as many system options as after-market receivers, you may be surprised to learn that you can add a 6- or 10-disc Compact Disc Changer to your factory system.

Sony, Kenwood, and Pioneer offer all-in-one packages (featured on page 27) that let you add a 6- or 10-disc CD changer to any factory system. You can mount the changer unit in your trunk or any convenient out-of-the-way location. A palm-sized remote control gives you access to any track on

any of the discs.

The key feature is the built-in FM modulator that's connected in-line between your car antenna and the antenna input of your in-dash receiver. When you want to listen to Compact Discs, merely tune to the special frequency on your FM dial. You'll still be able to use your factory radio and/or cassette deck.

If you own one of the cars listed in the chart below, you can plug one of our special DIN-to-CD adapters right into your factory radio and add a Sony, Pioneer, Kenwood, or JVC multi-disc changer to your system. Most car manufacturers who offer a CD changer as an option use the same Pioneer- or Sony-built mechanisms with their name on them. When we recently checked with a car dealer, their price for a Pioneer-made changer was \$750. If you install our Pioneer CDX-M40 in the same car, it will cost you just \$399!

Factory Receiver/CD Adapter Cross-Reference Chart

Applications	Pioneer CDX-M40 6-disc changer see page 21	Sony CDX-A15 or CDX-A100 10-disc changers see page 26	Kenwood KDC-C401 10-disc changer see page 25	JVC XL-MG600 6-disc changer see page 20
If your car is listed below, you can add a CD changer to your factory stereo system by purchasing the adapter kit that goes with the CD changer of your choice.				
Required CD changer adapter kits (including changer controllers) are listed below.				
ACURA 5-Pin DIN Plug Integra 1986-91, Legend (base models) 1987-91, excluding LS model	#700ACURPIO \$139	#700ACURSON \$139	#700ACURKEN \$189	#700ACURJVC \$119
ACURA 8-Pin DIN Plug Integra 1986-91, Legend (base models) 1987-91, excluding LS Model	#700HONDPIO \$159	#700HONDSON \$179	#700HONDKEN \$199	#700HONDJVC \$139
BMW Requires 13-Pin DIN Plug on back of radio 318i, 318is Early 1990, 325 1988-Early 1990, 5-series 1988-Early 1990, 6-series 1988-1989, 7-series 1988-Early 1990	#700BMWPIO \$399 controller not needed	not possible	not possible	not possible
CHRYSLER (With "Infinity" Stereo System) LeBaron Coupe and Conv. 1988-91, New Yorker 5th Avenue 1988-91, Landau, Salon, Imperial 1990-91, TC by Maserati 1989-91, Town and Country Van 1991	#700CHRYPIO \$139	#700CHRYSON \$139	#700CHRYKEN \$189	#700CHRYJVC
DODGE (With "Infinity" Stereo System) Caravan SE and LE 1988-91, Shadow 1988-91, Spirit 1988-91, Dynasty 1988-91, Daytona 1988-91	#700CHRYPIO \$139	#700CHRYSON \$139	#700CHRYKEN \$189	#700CHRYJVC \$119
GENERAL MOTORS (with AM/FM stereo, without cassette) Buick Regal 1988-91, Chevrolet/GMC, Full size pickups 1989-91, Pontiac Grand Prix 1988-91, Pontiac Sunbird 1989-91	#700GM2PIO \$119	#700GM2SON \$129	#700GM2KEN \$169	#700GM2JVC \$109
HONDA Accord Coupe 1988-89, Accord DX/LX 1988-91, Accord EX/SE 1990-91, Prelude S/Si 1988-91	#700HONDPIO \$159	#700HONDSON \$179	#700HONDKEN \$199	#700HONDJVC \$139
MAZDA with 13-pin DIN receptacle on back of radio Miata 1990-91, MPV 1990-91, RX-7 1990-91	#700MAZDPIO \$159	#700MAZDSON \$179	#700MAZDKEN \$199	#700MAZDJVC \$139
NISSAN 240SX 1989-91, 300ZX 1990-91, Maxima 1987-91, Stanza 1990-91, 1987-90 Pulsar*, 1987-89 Stanza*, 1987-90 Sentra*, 1987-91 Van*	#700NISSPIO \$139	#700NISSON \$139	#700NISSKEN \$189	#700NISSJVC \$119
PLYMOUTH (With "Infinity" Stereo System) Acclaim 1989-91, Voyager Van 1988-91, Sundance 1988-91	#700CHRYPIO \$139	#700CHRYSON \$139	#700CHRYKEN \$189	#700CHRYJVC \$119

* Call for specific application information

Better Speakers!

Simply removing your factory speakers and replacing them with a pair of true high-fidelity speakers will dramatically improve your entire system. Usually all you have to do is remove a few screws, take out the original speakers, re-connect the wires to your new speakers, and mount them in the openings.

For the "sizzle" that's missing from virtually all factory systems, try hooking up a pair of our MDS tweeters (page 39) directly to your existing speaker wiring. These tiny tweeters can be connected in parallel with your front speakers, and they mount almost anywhere (high in the corners of your windshield is best) for vastly improved high-frequency response.

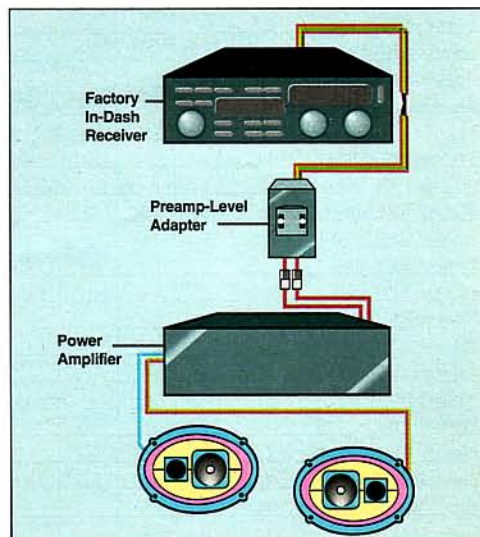
More Bass!

The tiny speakers most car manufacturers provide are physically incapable of producing deep bass. One solution to this

problem is to install bigger speakers, if they'll fit and if you don't mind cutting the openings. Or you can install a subwoofer, for really powerful, deep bass.

There are several different types of subwoofer to choose from. You can install a single 6", 8", or 6"x9" driver in your rear deck. You can mount even larger woofers (10", 12" or 15"!) behind the rear seat, firing forward right through the seat back. Or, you may prefer one of the specialized subwoofer systems you'll find on page 40.

Using Amplified Bazookas, practically any factory system is capable of super-powerful bass. In a single unit, the T-62A, T-82A, or T-102A Bazookas feature a subwoofer, enclosure, and an amplifier! Just wire it up to 12 volts and your factory radio's speaker outputs and you're all set. The Amplified Bazookas (featured on page 40) will add a whole new dimension to your system: deep, powerful bass you can actually feel.



You can add all the power you need by connecting your factory receiver's speaker outputs to one of our preamp-level adapters.



Receiver features are explained in the order they appear across the top of the chart.

Speaker Outputs - some of our finest receivers have only two speaker outputs and should be used with a separate amplifier to fade between four speakers. Preamp decks have no built-in power at all, thus

front and rear speaker outputs, but preamp outputs are not affected. **Type #5:** works on all speaker outputs and speaker-to-preamp outputs simultaneously. For more information, see page 6.

no speaker outputs; they require at least one amplifier.

Fader - lets you balance the output of front and rear speakers in a four speaker system. We list five types of fader. **Type #1:** works between front and rear speaker outputs (preamp outputs not provided). **Type #2:** between two pairs of preamp outputs only. **Type #3:** between one pair of speaker outputs and one pair of preamp outputs. **Type #4:** fades between

RCA Preamp Outputs - these make it easy to connect a separate high-powered amplifier, equalizer, or electronic crossover, supplying it with a low-distortion preamp-level signal for best performance.

CD Changer Controls - more and more receivers have dual-function controls which can operate a compatible multi-CD changer.

Bass & Treble - separate bass and treble adjustment provides much greater control than a single tone control.

Loudness Switch - activating this switch boosts low frequencies for more bass, especially at low volume levels where the ear is less sensitive. Certain models have automatic loudness which disengages when volume is increased.

In-Dash Cassette Receivers	Page	Chassis Size	Installation Depth	Removable Chassis	# of Speaker Outputs	Fader Type	RCA Preamp Outputs	CD Changer Controls	Bass & Treble	Loudness Switch	Seek/Scan Tuning	Memory Presets	Mono/Stereo Switch	Auto Reverse	Dolby NR	Auto Music Search	Tape EQ Switch	Full Logic Transport	Radio/Tape Switch	Power Off Eject/Release	Clock	Switchable Illumination
Clarion 8203R	12	U	6 1/4"		4	1					seek	18	auto	✓							✓	
Clarion 8403RT	13	U	6 1/4"		4	5	✓		✓	auto	seek	18	auto	✓			✓				✓	
Clarion 8703RT	15	U	6 1/4"		4	5	✓		✓	auto	seek	18	auto	✓	✓		✓		✓		✓	
Clarion 2001RT	15	panel	5 1/4"		4	5	✓		✓		seek	18	auto	✓			✓		✓		✓	
Clarion 2002RT	15	panel	5 1/4"		4	5	✓		✓		seek	18	auto	✓	✓		✓		✓	release	✓	
Clarion 9701RT	17	U	6 1/4"		4	5	✓		✓	auto	seek	18	auto	✓	✓		✓				✓	
Clarion 9731RT	18	I & E	6 1/4"		4	5	✓		✓		seek	20	auto	✓	✓		✓		✓	release	✓	
Clarion 9772RT	18	E	6 1/4"	✓	4	5	✓		✓		seek	20	auto	✓	✓		✓		✓	release	✓	
Jensen CS-1000	12	A	4 3/4"		2						scan	10	✓								✓	
JVC KS-R135	13	A	6 1/4"		4	1			✓	auto	seek	20		✓							✓	
JVC KS-R155	16	A	6 1/4"		4	4	✓		✓	auto	seek	20		✓	✓						✓	✓
JVC KS-R400	14	I & E	6 1/4"		4	1			✓	auto	both	20	✓	✓							✓	
JVC KS-R500	14	I & E	6 1/2"	✓	4	1			✓	auto	both	20	✓	✓								
JVC KS-RX175	16	U	5 1/4"		4	5	✓		✓	auto	seek	20	✓	✓	✓		✓				✓	✓
JVC KS-RG4	20	I & E	6 1/4"	✓	4	5	✓	✓	✓		both	24	✓	✓	✓		✓			release	✓	
JVC KS-RG8	20	I & E	6 1/4"	detach. face	4	5	✓	✓	✓		both	24	✓	✓	✓	auto	✓	✓	auto	release	✓	✓
JVC KS-RG9	20	I & E	6 1/4"	✓	4	5	✓	✓	✓		both	24	✓	✓	B/C	✓	auto	✓	auto	release		✓
Kenwood KRC-1004	15	A	6 1/4"		4	1			✓		seek	18	auto	✓			✓				✓	
Kenwood KRC-2004	16	A	6 1/4"		4	1			✓		seek	18	auto	✓			✓				✓	
Kenwood KRC-3004	18	A	6 1/2"		4	5	✓		✓		seek	18	auto	✓	✓		✓		auto		✓	
Kenwood KRC-210	17	E	6 1/4"		4	1			✓		seek	18	auto	✓			✓				✓	
Kenwood KRC-430	19	I & E	6 1/4"	✓	4	5	✓		✓		seek	18	auto	✓	✓		✓					
Kenwood KRC-530	23	I & E	6 1/4"	✓	4	5	✓	✓	✓		seek	18	auto	✓			✓					
Kenwood KRC-630	23	I & E	6 1/4"	✓	4	5	✓	✓	✓		seek	18	auto	✓	✓		✓		auto			
Kenwood KRC-730	23	I & E	6 1/4"	✓	4	5/2	2 sets	✓	✓		seek	24	auto	✓	B/C	✓	✓		auto	release		✓
Kenwood KRC-830	23	I & E	6 1/4"	✓	4	5	✓	✓	✓		seek	24	auto	✓	✓		auto	✓	auto	release	✓	✓
Kenwood KRC-930	23	I & E	6 1/4"	✓	2	2 sets	✓	✓	✓		seek	30	auto	✓	B/C	✓	auto	✓	auto	release		✓
Pioneer KE-1700QR	15	E	6 1/4"	✓	4	5	✓		✓		seek	24	auto	✓								
Pioneer KE-2700QR	15	E	6 1/4"	✓	4	5	✓		✓		seek	24	auto	✓								
Pioneer KE-3700QR	17	E	6 1/4"	✓	4	5	✓		✓		seek	24	auto	✓	✓		✓					
Pioneer KEH-6868	17	U	6 1/4"		4	4	✓		✓		seek	24	auto	✓					auto	release	✓	
Pioneer KEH-7878	17	U	6 1/4"		4	4	✓		✓		seek	24	auto	✓	✓		✓		auto	release	✓	
Pioneer KEH-9898TR	19	U	6 1/2"		4	blend	✓		✓		seek	24	auto	✓	✓		✓		auto	release	✓	
Pioneer KEH-5200	19	E	6 1/4"	detach. face	4	5	✓		✓		seek	24	✓	✓	✓		✓		auto		✓	
Pioneer KEH-M3000QR	21	I & E	6 1/2"	✓	4	4	✓		✓		seek	24	auto	✓						release		
Pioneer KEH-M6200	21	E	6 1/4"	detach. face	4	5	✓		✓		seek	24	✓	✓					auto	release	✓	
Pioneer KEH-M7200	21	E	6 1/4"	detach. face	4	5/2	2 sets	✓	✓		seek	24	✓	✓	✓		✓		auto	release	✓	✓
Pioneer KEH-M8200	21	E	6 1/4"	detach. face	4	5/2	2 sets	✓	✓		seek	24	auto	✓	B/C	✓	auto	✓	auto	release	✓	✓
Sanyo MAR-1000	12	U	5 1/4"		4	1					seek	18	auto	✓							✓	
Sanyo MAR-1100	12	U	5 1/4"		4	4	✓		✓		seek	18	auto	✓							✓	
Sanyo MAR-1200	13	U	6 1/4"		4	4	✓		✓		seek	18	auto	✓	✓				auto		✓	
Sanyo MAR-2000	13	I & E	6 1/4"		4	4	✓		✓		seek	18	auto	✓					auto		✓	

Electronic Tuning - a tuner design which locks onto the tuned frequency and cannot drift, once tuned in. This design enables features like memory presets and station scan.

Seek/Scan Tuning - Seek tunes up or down the broadcast band, stopping at the first listenable station. Scan locates each listenable station on the band, plays a brief sample, then moves to the next station. Simply touch the scan button again when you find the station you want.

Mono/Stereo Switch - if a weak station begins to sound noisy in stereo, switching to mono improves sound quality.

Auto Reverse - at the end of one side of the tape, the mechanism changes direction automatically to play the other side.

Dolby Noise Reduction - this system decodes Dolby-encoded tapes during playback to virtually eliminate tape hiss. Dolby B is the most widely used system; the newer Dolby C is even more effective.

Auto Music Search - this tape feature can fast-forward or rewind to the next song and begin play automatically by "sensing" the blank spaces between songs. Other names for this feature include AMS, APS and APC.

Tape Equalization Switch - selects the optimum equalization response according to the type of tape: normal, high-bias or metal.

Full Logic Transport - lets you switch directly from fast-forward and rewind to play mode without having to manually stop the tape.

Power Off Eject/Release - whenever power to the deck is cut off, the tape will automatically eject to protect both tape and mechanism. Certain models use equally effective power-off pinchroller release which relaxes tension on the tape without ejecting it.

Radio/Tape Switch - lets you change from tape to tuner with the flip of a switch. Some models automatically switch to tuner mode whenever the cassette is fast-winding.

Power Antenna/Remote Turn-on Lead - all of our head units include this lead, which supplies the small amount of voltage needed to either turn on power amps and equalizer/boosters, or activate the relay which raises and lowers a fully automatic motorized antenna.

In-Dash Cassette Receivers	Page	Chassis Size	Installation Depth	Removable Chassis	# of Speaker Outputs	Fader Type	RCA Preamp Outputs	CD Changer Controls	Bass & Treble	Loudness Switch	Seek/Scan Tuning	Memory Presets	Mono/Stereo Switch	Auto Reverse	Dolby NR	Auto Music Search	Tape EQ Switch	Full Logic Transport	Radio/Tape Switch	Power Off Eject/Release	Clock	Switchable Illumination
Sherwood XR-2137	12	U	5 1/4"		4	1			✓		seek	30	auto								✓	
Sherwood XR-3147	12	A	5 1/4"		4	5	✓		✓		seek	30	auto	✓							✓	
Sherwood XR-4127	14	A	5 1/4"		4	5	✓		✓	auto	seek	30	auto	✓		✓	✓				✓	
Sherwood XR-3154	14	E	6 1/2"		4	5	✓		✓	auto	seek	30	auto	✓		✓	✓					
Sherwood XR-3164P	14	E	6 1/2"	✓	4	5	✓		✓	auto	seek	30	auto	✓		✓	✓					
Sony XR-6087	14	A	5 1/4"		4	1			✓		seek	18	✓	✓			✓				✓	
Sony XR-6287	18	A	6"		4	5	✓		✓	✓	seek	18	✓	✓	✓	✓	✓				✓	
Sony XR-4147	16	I & E	6 1/4"		4	1			✓		seek	18	✓	✓							✓	
Sony XR-4257	18	I & E	5 1/4"	✓	4	4	✓		✓	✓	seek	24	✓	✓								
Sony XR-5500	19	E	5 1/4"	✓	4	5	✓		✓	✓	seek	24	✓	✓	✓	✓	✓		auto			
Sony XR-7070	22	I & E	6"	✓	4	5	✓	✓	✓	✓	seek	24	✓	✓	✓	✓	✓		auto	release		✓
Sony XR-7180	22	I & E	6"	✓	4	5	✓		✓	✓	seek	24	✓	✓	B/C	✓	✓	✓		release		✓
Sony XR-7280	22	I & E	6"	✓	4	5	✓	✓	✓	✓	seek	24	✓	✓	B/C	✓	✓	✓		auto	release	✓
Sony XR-7600	22	I & E	6"	✓	-	2	2 sets	✓	✓	✓	seek	24	✓	✓	B/C	✓	✓	✓		auto	release	✓

In-Dash CD Receivers	Page	Chassis Size	Installation Depth	Removable Chassis	# of Speaker Outputs	Fader Type	RCA Preamp Outputs	CD Changer Controls	Bass and Treble	Loudness Switch	Seek/Scan Tuning	Memory Presets	Mono/Stereo Switch	Track Skip	Random Play	Intro Scan	Repeat	3" CD Compatible	Eject with key off	Clock	Switchable Illumination
JVC XL-G2000	24	E	6 1/2"		2	3	✓		✓		both	24	auto	✓	✓	✓	✓				
JVC XL-G3500	24	I & E	6 1/2"	✓	4	5/2	2 sets		✓		both	20	✓	✓	✓	✓	✓				
Kenwood KDC-65R	25	I & E	6 1/4"		4	5	✓		✓	✓	seek	24	auto	✓	✓	✓	✓	✓		✓	✓
Kenwood KDC-75R	25	I & E	6 1/4"	✓	4	5	✓		✓	✓	seek	24	auto	✓	✓	✓	✓	✓			✓
Kenwood KDC-85R	25	I & E	6 1/4"	✓	-	2	2 sets	✓	✓	✓	seek	24	auto	✓	✓	✓	✓	✓			✓
Kenwood KDC-95R	25	I & E	6 1/4"	✓	-	2	2 sets	✓	✓	✓	seek	24	auto	✓	✓	✓	✓	✓			✓
Pioneer DEH-660	24	I & E	6 1/4"		2	3/2	2 sets		✓	✓	seek	24	✓	✓	✓	✓	✓	✓		✓	✓
Pioneer DEH-760	24	I & E	6 1/4"	detach. face	2	3/2	2 sets		✓	✓	seek	24	✓	✓	✓	✓	✓	✓		✓	✓
Pioneer DEH-770	24	I & E	6 1/4"	detach. face	2	3/2	2 sets		✓	✓	seek	24	✓	✓	✓	✓	✓	✓		✓	✓
Sony CDX-7560	26	E	6 1/16"	✓	-	2	2 sets		✓	✓	seek	24	✓	✓	✓	✓	✓	✓			✓
Sony CDX-5040	26	I & E	6 1/2"		4	5/2	2 sets		✓	✓	seek	24	✓	✓	✓	✓	✓	✓			✓
Sony CDX-5080	26	E	6 1/2"	✓	4	5/2	2 sets		✓	✓	seek	24	✓	✓	✓	✓	✓	✓			✓

Call Us for Help: 800-446-1640

Before you place an order for an in-dash receiver, check our Installation Guide on pages 58-67 to be sure it will fit your vehicle. The Guide also tells you if there's a kit or wiring harness available to make your installation easier (don't forget,

you save 50% on kits and harnesses when you order your receiver from us). And don't forget to ask about our free installation instructions. They're now available for most cars. If you have any questions at all just ask your Sales Advisor.

Understanding Specifications

Here are the vital statistics on our in-dash receivers along with explanations of what the numbers mean, following their order of appearance in the chart. The information in *italics* is more technical and in-depth.

Power Output - the amount of continuous power produced by the built-in amplifiers in these receivers. The more amplifier power you have, the higher the volume level you can listen at without unpleasant distortion. *The watt is the unit of measure for output power. To double the loudness you hear requires a tenfold increase in power.*

THD - stands for Total Harmonic Distortion, measured as a percentage of the total output signal. The lower the number, the better.

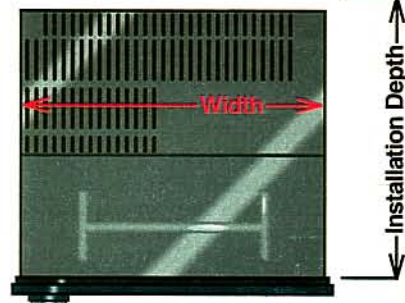
Frequency Bandwidth - the portion of the audible band 20-20,000 Hz over which the power output was measured. The wider the bandwidth, the cleaner the amp.

Preamplifier Output Level - this is the voltage

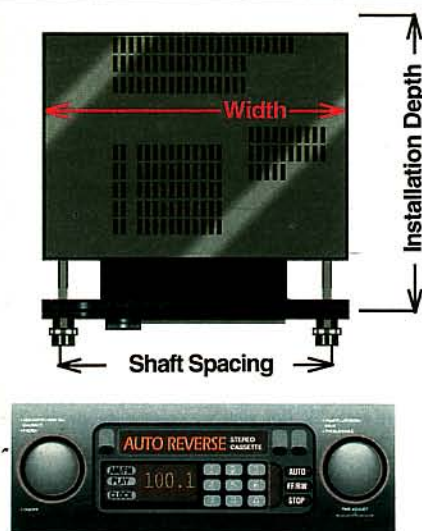
level of the signal at the receiver's RCA preamp outputs. It is measured in millivolts (1000mV equals 1V). Since nearly all quality amplifiers have adjustable sensitivity ranges, mismatched voltage is rarely a problem. In some systems, a high output voltage of 1V or more may make the system less susceptible to electrical noise.

FM Mono Sensitivity - the measure of how well a tuner can pick up weak stations. Sensitivity is measured in dBf, with smaller values indicating a more sensitive tuner. *The unit of measure for tuner sensitivity is Decibel Femtowatt (dBf) which compares the signal strength required for reception to a reference of one femtowatt. Smaller values indicate a greater ability to pick up weak signals.*

FM Mono 50 dB Quieting Sensitivity - this tells you how strong an FM signal needs to be for clear mono reception without distortion. Again, a smaller value indicates a more sensitive tuner. *This specification shows the FM signal strength required for the signal (music) level to be 50 dB greater than the background noise.*



In-Dash Cassette Receivers	Power Output (Watts per channel)	Amplifier THD (At rated output)	Amplifier Frequency Bandwidth (For rated output)	Preamplifier Level	FM Mono Sensitivity (dBf)	FM Mono 50dB Quieting Sensitivity (dBf)	FM Stereo Separation at 1 kHz (dB)	Tape Frequency Response (Hz) $\pm 3dB$	Tape Signal to Noise Ratio (dB)	Tape Wow and Flutter	Shaft Spacing (in.)	Nosepiece Dimensions (in.) (W x H)	Chassis Dimensions (in.) (W x H)	Installation Depth (in.)	List Price	Your Low Price
Clarion 8203R	3.2 x 2	1.0%	50-20,000	-	12	17	35	30-14,000	53	.10%	5%	4 1/4 x 1 3/4	7 x 2	6 1/4	\$180	\$109
Clarion 8403RT	3.2 x 2	1.0%	50-20,000	1V	12	17	35	30-16,000	53	.10%	5%	4 1/4 x 1 3/4	7 x 2	6 1/4	\$200	\$139
Clarion 8703RT	3.2 x 2	1.0%	50-20,000	1V	12	17	35	30-18,000	63	.10%	5%	4 1/4 x 1 3/4	7 x 2	6 1/4	\$250	\$179
Clarion 2001RT	3.2 x 2	1.0%	50-20,000	500mV	12	17	35	30-16,000	53	.10%	-	8 1/2 x 3 1/2	7 1/2 x 3 1/2	5 1/2	\$240	\$179
Clarion 2002RT	12 x 2	1.0%	20-20,000	500mV	12	17	35	30-18,000	63	.10%	-	8 1/2 x 3 1/2	7 1/2 x 3 1/2	5 1/2	\$320	\$249
Clarion 9701RT	12 x 2	1.0%	20-20,000	500mV	12	17	35	30-18,000	63	.10%	5%	4 1/4 x 1 3/4	7 x 2	6 1/4	\$300	\$219
Clarion 9731RT	8 x 2	1.0%	20-20,000	500mV	12	17	35	30-18,000	63	.10%	-	6 1/2 x 1 7/8	7 x 2	6 1/4	\$320	\$229
Clarion 9772RT	8 x 2	1.0%	20-20,000	900mV	12	17	35	30-18,000	63	.10%	-	7 1/2 x 2 1/4	7 x 2	6 1/4	\$350	\$259
Jensen CS-1000	3 x 2	2.5%	100-20,000	-	24.2	27.8	36	80-10,000	50	.20%	5 1/2-6	4 1/4 x 1 3/4	7 1/2 x 2	4 3/4	\$130	\$89
JVC KS-R135	3 x 2	0.8%	100-20,000	-	17.2	19.5	30	50-13,000	52	.13%	5 1/2-5 1/2	4 3/16 x 1 11/16	7 x 2	6 1/4	\$170	\$129
JVC KS-R155	3 x 2	0.8%	100-20,000	500mV	17.2	19.5	30	50-13,000	60	.13%	5 1/2-5 1/2	4 3/16 x 1 11/16	7 x 2	6 1/4	\$220	\$179
JVC KS-R400	3 x 2	0.8%	100-20,000	-	17.2	19.5	30	50-13,000	52	.13%	-	6 1/4 x 1 7/8	7 1/16 x 2 1/16	6 1/2	\$200	\$149
JVC KS-R500	3 x 2	0.8%	100-20,000	-	17.2	19.5	30	50-13,000	52	.13%	-	6 1/4 x 1 7/8	7 1/16 x 2 1/16	6 1/2	\$230	\$179
JVC KS-RX175	3/8 x 2	0.8%	40-20,000	500mV	16.3	18.8	35	50-16,000	60	.13%	5 1/2-5 1/2	4 1/4 x 1 11/16	7 x 2	5 1/2	\$250	\$199
JVC KS-RG4	3/8 x 2	0.8%	40-20,000	500mV	12.1	16.3	35	40-18,000	60	.10%	-	7 1/16 x 2 1/16	7 1/16 x 2 1/16	6 1/2	\$370	\$269
JVC KS-RG8	3/12 x 2	0.8%	40-20,000	500mV	12.1	16.3	35	40-20,000	60	.09%	-	7 1/16 x 2 1/16	7 1/16 x 2 1/16	6 1/2	\$430	\$349
JVC KS-RG9	3/12 x 2	0.8%	40-20,000	500mV	12.1	16.3	35	40-20,000	68	.09%	-	7 1/16 x 2 1/4	7 1/16 x 2 1/16	6 1/2	\$550	\$299
Kenwood KRC-1004	4 x 2	1.0%	30-20,000	-	13.2	15.2	38	30-16,000	54	.12%	5 1/4	4 3/16 x 1 13/16	7 1/16 x 2	6 1/2	\$219	\$159
Kenwood KRC-2004	15 x 2	1.0%	30-20,000	-	13.2	15.2	38	30-16,000	54	.12%	5 1/4	4 3/16 x 1 13/16	7 1/16 x 2	6 1/2	\$239	\$199
Kenwood KRC-3004	15 x 2	1.0%	30-20,000	1V	13.2	15.2	38	30-16,000	63	.12%	5 1/4	4 3/16 x 1 13/16	7 1/16 x 2	6 1/2	\$299	\$249
Kenwood KRC-210	15 x 2	1.0%	30-20,000	-	12	15.2	40	30-16,000	54	.12%	-	7 1/16 x 2 1/16	7 1/16 x 2 1/16	6 1/2	\$259	\$199
Kenwood KRC-430	15 x 2	1.0%	30-20,000	1V	12	15.2	40	30-16,000	63	.12%	-	7 1/16 x 2 1/16	7 1/16 x 2 1/16	6 1/4	\$369	\$299
Kenwood KRC-530	15 x 2	1.0%	30-20,000	1V	12	15.2	40	30-16,000	54	.12%	-	7 1/16 x 2 1/16	7 1/16 x 2 1/16	6 1/4	\$399	\$329
Kenwood KRC-630	15 x 2	1.0%	30-20,000	1V	12	15.2	40	30-16,000	63	.12%	-	7 1/16 x 2 1/16	7 1/16 x 2 1/16	6 1/4	\$439	\$349
Kenwood KRC-730	15 x 2	1.0%	30-20,000	1V	12	15.2	40	30-18,000	71	.12%	-	7 1/16 x 2 1/16	7 1/16 x 2 1/16	6 1/4	\$499	\$399
Kenwood KRC-830	15 x 2	1.0%	30-20,000	1V	12	15.2	40	30-20,000	65	.09%	-	7 1/16 x 2 1/16	7 1/16 x 2 1/16	6 1/4	\$559	\$449
Kenwood KRC-930	-	-	-	1V	12	15.2	40	30-21,000	73	.08%	-	7 1/16 x 2 1/16	7 1/16 x 2 1/16	6 1/4	\$599	\$499
Pioneer KE-1700QR	3.2 x 2	5.0%	50-15,000	500mV	11	16	40	50-14,000	52	.13%	-	7 1/2 x 2 1/4	7 1/2 x 2 1/4	6 1/2	\$272	\$179
Pioneer KE-2700QR	3.2 x 2	5.0%	50-15,000	500mV	11	16	40	50-14,000	52	.13%	-	7 1/2 x 2 1/4	7 1/2 x 2 1/4	6 1/2	\$296	\$199
Pioneer KE-3700QR	3.2 x 2	5.0%	50-15,000	500mV	11	16	40	50-17,000	63	.13%	-	7 1/2 x 2 1/4	7 1/2 x 2 1/4	6 1/2	\$332	\$229
Pioneer KEH-6868	10 x 2	5.0%	50-15,000	500mV	11	16	35	40-14,000	52	.13%	5 1/4	4 1/4 x 1 11/16	7 1/2 x 2	6 1/4	\$326	\$219
Pioneer KEH-7878	10 x 2	5.0%	50-15,000	500mV	11	16	40	40-17,000	63	.13%	5 1/4	4 1/4 x 1 11/16	7 1/2 x 2	6 1/4	\$376	\$249
Pioneer KEH-9898TR	10 x 2	5.0%	50-15,000	500mV	11	16	40	40-17,000	63	.13%	5 1/4	4 1/4 x 1 11/16	7 1/2 x 2	6 1/2	\$412	\$299
Pioneer KEH-5200	10 x 2	5.0%	50-15,000	500mV	11	16	40	40-17,000	63	.13%	-	7 1/16 x 2 1/4	7 1/16 x 2 1/16	6 1/2	\$432	\$299
Pioneer KEH-M3000QR	10 x 2	5.0%	50-15,000	500mV	11	16	40	40-14,000	55	.13%	-	6 1/16 x 1 13/16	7 x 2	6 1/2	\$396	\$279
Pioneer KEH-M6200	10 x 2	5.0%	50-15,000	500mV	11	16	40	40-14,000	52	.13%	-	7 1/16 x 2 1/4	7 1/16 x 2 1/16	6 1/2	\$444	\$299
Pioneer KEH-M7200	10 x 2	5.0%	50-15,000	500mV	11	16	40	40-17,000	63	.13%	-	7 1/16 x 2 1/4	7 1/16 x 2 1/16	6 1/2	\$492	\$349
Pioneer KEH-M8200	10 x 2	5.0%	50-15,000	500mV	11	16	40	30-19,000	71	.08%	-	7 1/16 x 2 1/4	7 1/16 x 2 1/16	6 1/2	\$612	\$449
Sanyo MAR-1000	3 x 2	5.0%	20-20,000	-	17	20	30	50-14,000	52	.12%	5 1/4-5 1/4	4 1/4 x 1 3/4	6 1/4 x 2	5 1/4	\$180	\$99
Sanyo MAR-1100	3 x 2	5.0%	20-20,000	500mV	17	20	30	50-14,000	52	.12%	5 1/4-5 1/4	4 1/4 x 1 3/4	6 1/4 x 2	5 1/4	\$220	\$129
Sanyo MAR-1200	9.5 x 2	1.0%	20-20,000	500mV	17	20	30	50-14,000	62	.12%	5 1/4-5 1/4	4 1/16 x 1 13/16	6 1/2 x 2	6 1/4	\$250	\$149
Sanyo MAR-2000	3 x 2	3.0%	20-20,000	500mV	17	20	30	50-14,000	52	.12%	-	7 1/2 x 2 1/16	7 1/2 x 2 1/16	6 1/2	\$250	\$149



FM Stereo Separation - this measures a tuner's ability to separate the left and right channels of a stereo broadcast. The higher the number, the greater the separation. The unit of measure is Decibel (dB), a logarithmic unit expressing the ratio between two voltage, current or power levels, usually relating to a standard reference level, or a background noise level. In this case, what is measured is the difference between the two channels.

Frequency Response - this shows you how much of the audible range (from 20 to 20,000 Hertz) can be reproduced. A wider range indicates higher fidelity sound. Hertz (Hz) is the unit of frequency, equal to one cycle per second. Human hearing ranges from 20 to 20,000 Hertz. As a point of reference, "Middle C" on a piano is 262 Hz.

Signal-to-Noise Ratio - this tells you how much background noise is being produced by comparing the strength of the desired signal (music) to the level of background noise. Higher values indicate less background noise. Decks with Dolby noise reduction have much better Signal-to-Noise ratios. The unit of measure for Signal-to-Noise is dB (see Stereo Separation for explanation).

Wow and Flutter - indicates how accurate the tape deck's playback speed is. The lower the number, the better. Wow is a distortion of music pitch caused by low-frequency speed fluctuation. Flutter is caused by high frequency speed changes. Lower percentages indicate more precise transport mechanisms.

Shaft Spacing - many "M", "U" and "A" chassis receivers let you adjust the distance between the control shafts to accommodate different dash openings. A single width indicates fixed spacing.

Nosepiece Dimensions - these dimensions refer to the protruding central section between the control shafts of "M", "U" and "A" chassis receivers. Size "I", "E", or "I&E" refers to exposed front face on DIN-style receivers. For models which are size "I&E", "E" dimensions are listed.

Chassis Dimensions - these are the overall dimensions of the receiver's housing. The unit's width is listed first, followed by height. For models which are size "I&E", "E" dimensions are listed.

Installation Depth - includes the receiver's chassis depth, plus an allowance for protruding cables, harnesses, etc..

In-Dash Cassette Receivers	Power Output (Watts per channel)	Amplifier THD (At rated output)	Amplifier Frequency Bandwidth (For rated output)	Preamp Output Level	FM Mono Sensitivity (dBf)	FM Mono 50dB Quiet-ing Sensitivity (dBf)	FM Stereo Separation at 1 kHz (dB)	Tape Frequency Response (Hz) $\pm$ 3dB	Tape Signal to Noise Ratio (dB)	Tape Wow and Flutter	Shaft Spacing (in.)	Nosepiece Dimensions (in.) (W x H)	Chassis Dimensions (in.) (W x H)	Installation Depth (in.)	List Price	Your Low Price
Sherwood XR-2137	4 x 2	0.5%	40-20,000	-	12.8	22.3	38	30-15,000	54	.11%	5/4-5 ¹³ / ₁₆	4/4x1 1/4	6 1/2x2	5 1/4	\$150	\$99
Sherwood XR-3147	4 x 2	0.5%	40-20,000	700mV	12.4	21.5	38	30-16,000	54	.09%	5/4-5 ¹³ / ₁₆	4/4x1 1/4	7x2	5 1/4	\$190	\$129
Sherwood XR-4127	14 x 2	0.5%	40-20,000	700mV	12.4	21.5	40	30-18,000	55	.09%	5/4-5 ¹³ / ₁₆	4/4x1 1/4	7x2	5 1/4	\$230	\$159
Sherwood XR-3154	14 x 2	0.5%	40-20,000	700mV	12.4	21.5	40	30-18,000	55	.09%	-	7 1/2x2 1/16	7 1/2x2 1/16	6 1/2	\$240	\$169
Sherwood XR-3164P	14 x 2	0.5%	40-20,000	700mV	12.4	21.5	40	30-18,000	55	.09%	-	7 1/2x2 1/16	7 1/2x2 1/16	6 1/2	\$270	\$189
Sony XR-6087	4 x 2	1.5%	150-20,000	-	13	16.3	35	40-15,000	58	.13%	5/4	4 1/4x1 1/16	7x2	5 1/4	\$200	\$149
Sony XR-6287	12 x 2	1.0%	30-20,000	500mV	12.5	16.3	35	40-16,000	66	.13%	5 ¹³ / ₁₆	4 1/4x1 1/16	7x2	6	\$280	\$199
Sony XR-4147	9 x 2	1.0%	30-20,000	-	15	18.2	35	30-15,000	55	.15%	-	6 1/4x1 1/4	7x2	6 1/4	\$260	\$179
Sony XR-4257	12 x 2	1.0%	30-20,000	500mV	13	16.3	35	30-16,000	58	.13%	-	7 1/2x2 1/16	7 1/2x2 1/16	5 1/4	\$310	\$219
Sony XR-5500	11 x 2	1.0%	30-20,000	500mV	12.5	16.3	35	40-16,000	66	.15%	-	7 1/2x2 1/16	7 1/2x2 1/16	5 1/4	\$370	\$249
Sony XR-7070	13 x 4	1.0%	20-20,000	500mV	12	16.3	35	30-18,000	66	.13%	-	7 1/2x2 1/16	7 1/2x2 1/16	6	\$420	\$349
Sony XR-7180	14 x 2	1.0%	40-20,000	500mV	12	16.3	35	30-18,000	76	.10%	-	7 1/2x2 1/16	7 1/2x2 1/16	6	\$500	\$399
Sony XR-7280	14 x 2	1.0%	40-20,000	500mV	12	16.3	35	30-18,000	76	.10%	-	7 1/2x2 1/16	7 1/2x2 1/16	6	\$600	\$499
Sony XR-7600	-	-	-	500mV	12	16.3	35	20-20,000	76	.09%	-	7 1/2x2 1/16	7 1/2x2 1/16	6	\$600	\$499

In-Dash CD Receivers	Power Output (Watts per channel)	Amplifier THD (At rated output)	Amplifier Frequency Bandwidth (For rated output)	Preamp Output Level	FM Mono Sensitivity (dBf)	FM Mono 50dB Quiet-ing Sensitivity (dBf)	FM Stereo Separation at 1 kHz (dB)	CD Frequency Response (Hz) $\pm$ 1dB	CD Signal to Noise Ratio (dB)	CD Dynamic Range (dB)	Oversampling	Digital-to-analog Converter(s)	Nosepiece Dimensions (in.) (W x H)	Chassis Dimensions (in.) (W x H)	Installation Depth (in.)	List Price	Your Low Price
IVC XL-G2000	8 x 2	0.8%	40-20,000	1.5V	15.3	18.5	35	5-20,000	95	90	4X	Dual 16-bit	7 1/2x2 1/4	7 1/2x2 1/16	6 1/2	\$380	\$299
IVC XL-G3500	8 x 4	0.8%	40-20,000	1.8V	12.1	16.3	35	5-20,000	100	95	4X	Dual 16-bit	7 1/2x2 1/16	7 1/2x2 1/16	6 1/2	\$500	\$399
Kenwood KDC-65R	10 x 2	1.0%	30-20,000	1V	12	15.2	40	5-20,000	96	96	8X	1-bit	7 1/2x2 1/16	7 1/2x2 1/16	6 1/4	\$599	\$449
Kenwood KDC-75R	10 x 2	1.0%	30-20,000	1V	12	15.2	40	5-20,000	96	96	8X	1-bit	7 1/2x2 1/16	7 1/2x2 1/16	6 1/4	\$649	\$499
Kenwood KDC-85R	-	-	-	1V	12	15.2	40	5-20,000	96	96	8X	1-bit	7 1/2x2 1/16	7 1/2x2 1/16	6 1/4	\$699	\$549
Kenwood KDC-95R	-	-	-	1V	12	15.2	40	5-20,000	96	96	8X	1-bit	7 1/2x2 1/16	7 1/2x2 1/16	6 1/4	\$749	\$599
Pioneer DEH-660	10 x 2	5.0%	50-15,000	500mV	11	16	40	5-20,000	94	90	8X	1-bit	7 1/2x2 1/4	7 1/2x2 1/4	6 1/4	\$552	\$399
Pioneer DEH-760	10 x 2	5.0%	50-15,000	500mV	11	16	40	5-20,000	94	90	8X	1-bit	7 1/2x2 1/4	7 1/2x2 1/4	6 1/4	\$588	\$429
Pioneer DEH-770	10 x 2	5.0%	50-15,000	500mV	11	16	40	5-20,000	94	90	8X	1-bit	7 1/2x2 1/4	7 1/2x2 1/4	6 1/4	\$612	\$449
Sony CDX-7560	-	-	-	500mV	12	16.3	35	10-20,000	90	90	8X	Dual 16-bit	7 1/2x2 1/16	7 1/2x2 1/16	6 1/16	\$500	\$349
Sony CDX-5040	10 x 2	1.0%	40-15,000	500mV	12	16.3	35	10-20,000	90	90	8X	Dual 18-bit	7 1/2x2 1/16	7 1/2x2 1/16	6 1/2	\$500	\$399
Sony CDX-5080	10 x 2	1.0%	40-15,000	500mV	12	16.3	35	10-20,000	90	90	8X	Dual 18-bit	7 1/2x2 1/16	7 1/2x2 1/16	6 1/2	\$550	\$449

Jensen CS-1000

The CS-1000 remains Jensen's lowest-priced receiver ever! And it's no stripped-down model, either. The easy-to-use electronic tuner lets you tune stations manually, or scan the entire band for 5-second samples of each station. One-touch memory presets let you store your favorite 5 FM & 5 AM stations. For the best possible reception at all times, Jensen has included a built-in FM noise suppressor, plus stereo/mono & local/distant switches for consistent performance in both rural and city conditions. A digital clock rounds out the features. Jensen's years of car stereo expertise are evident in the crisp feel of the controls and the quality construction.

Item #110CS1000 List Price: \$130

YOUR LOW PRICE: \$89



Size
A

Depth
4 3/4"

Features: Quartz synthesis scan tuning, 5 FM & 5 AM presets, stereo/mono & local/distant switches, built-in FM noise suppressor, locking Fast Forward/Eject button, 2 speaker outputs, clock. **Specifications:** 3 watts per channel, Tape Frequency Response (± 3 dB) 80-10,000 Hz, Tape Signal-to-Noise 50 dB; Wow and Flutter 0.20%, FM Sensitivity 24.2 dBf, FM Stereo Separation 36 dB. **Warranty:** 90 days. **Installation Data:** Size code "A" (for your car, please see pages 58-67). Chassis dimensions 7 1/4"W x 2"H.

Sanyo MAR-1000 / MAR-1100

If you're planning to get tunes in your car this summer, but need to stick to a budget, Sanyo has two new receivers you should consider. The MAR-1000 is our lowest-priced model with an auto-reverse cassette section. Sanyo's IntelliTuner circuitry offers improved sensitivity along with 18 station presets. With 4 speaker outputs and a front/rear fader, you can enjoy wraparound sound from every corner of your vehicle. Moving up to the MAR-1100 gets you separate bass and treble controls, RCA preamp outputs, and Sanyo's BASS-XPANDER circuit for exciting bass punch.

Item #140MAR1000 List Price: \$180

YOUR LOW PRICE: \$99 (pictured)

Item #140MAR1100 List Price: \$220

YOUR LOW PRICE: \$129



Size
U

Depth
5 1/2"

Features: Quartz synthesis IntelliTuner, 12 FM & 6 AM presets with Preset Scan, 6-station Auto Travel Preset, local/distant switch, auto-reverse, locking Fast Forward and Rewind, auto-loudness, 4 speaker outputs with fader (type #1), clock, night illumination. MAR-1100 adds separate bass and treble and RCA preamp outputs, and replaces auto-loudness with BASSXPANDER bass boost. **Specifications:** 3 watts per channel, Tape Frequency Response 50-14,000 Hz, Tape Signal-to-Noise 52 dB, Wow and Flutter 0.12%, FM Sensitivity 17 dBf, FM Stereo Separation 30 dB. **Warranty:** 1 year. **Installation Data:** Size code "U" (for your car, please see pages 58-67). Chassis dim: 6 3/4"W x 2"H.

Sherwood XR-2137 / XR-3147

With more features and better looks than its predecessor, Sherwood's new XR-2137 still comes in at an amazing \$99! The tuner gives you drift-free, quartz-locked accuracy, with automatic stereo/mono switching and a manual local/distant switch to adjust to changing reception conditions wherever you drive. You can store as many as 18 FM & 12 AM stations in memory and hear a brief sample of each by touching Preset Scan. The XR-3147 adds auto-reverse to end cassette-flipping, and preamp outputs so those who like it loud can add an amplifier.

Item #150XR2137 List Price: \$150 (pictured)

YOUR LOW PRICE: \$99

Item #150XR3147 List Price: \$190

YOUR LOW PRICE: \$129



Size
U

Depth
5 1/2"

Features: Quartz synthesis seek tuning, 18 FM & 12 AM presets with Preset Scan, Auto Memory Store travel presets, auto stereo/mono switching, local/distant switch, locking Fast Forward/Eject button, separate bass and treble, 4 speaker outputs with fader (type #1), clock, night illumination. XR-3147 adds auto reverse, locking Fast Forward & Rewind, and RCA preamp outputs. **Specifications:** 4 watts per channel, Tape Frequency Response 30-15,000 Hz (30-16,000 Hz for XR-3147), Tape Signal-to-Noise 54 dB, Wow and Flutter 0.11%, FM Sensitivity 12.8 dBf (12.4 dBf for XR-3147), FM Stereo Separation 38 dB. **Warranty:** 1 year. **Installation Data:** Size code "U" ("A" for XR-3147) (for your car, please see pages 58-67). Chassis dimensions 6 1/4"W x 2"H; (XR-3147) 7"W x 2"H.

Clarion 8203R

If you only have a little money to spend on a receiver, get every penny's worth with Clarion's best-selling 8203R. You not only get Clarion's station-grabbing FM circuitry (check the sensitivity spec), but also the most popular cassette convenience: auto-reverse. And Dual Azimuth Adjust helps your tapes sound equally fine in both directions. The advanced tuner constantly adjusts to signal conditions with automatic local/distant sensitivity adjustment and auto stereo/mono blend. You'll always hear the cleanest FM possible. A total of 18 preset memories are included, along with convenient Preset Scan. One other big feature is Clarion reliability. When you switch on the 8203R, it'll be there for you, year after year.

Item #0208203R List Price: \$180

YOUR LOW PRICE: \$109



Size
U

Depth
6 5/8"

Features: Quartz synthesis seek tuning, 12 FM & 6 AM presets with Preset Scan, Auto Store, automatic local/distant & stereo/mono switching, auto-reverse with Dual Azimuth Adjust, locking Fast Forward and Rewind, electronic DC servo motor, Permalloy tape head, 4 speaker outputs with fader (type #1), clock, night illumination. **Specifications:** 3.2 watts per channel, Tape Frequency Response (± 3 dB) 30-14,000 Hz, Tape Signal-to-Noise 53 dB, Wow and Flutter 0.10%, FM Sensitivity 12 dBf, FM Stereo Separation 35 dB. **Warranty:** 1 year. **Installation Data:** Size code "U" (for your car, please see pages 58-67). Chassis dimensions 7"W x 2"H.



Size
A

Depth
6 1/4"

Features: Quartz synthesis seek tuning, 15 FM & 5 AM presets with Preset Scan, auto-reverse, separate bass and treble, auto loudness, 4 speaker outputs with fader (type #1), clock, night illumination. **Specifications:** 3 watts per channel, Tape Frequency Response (± 3 dB) 50-13,000 Hz, Tape Signal-to-Noise 52 dB, Wow and Flutter 0.13%, FM Sensitivity 17.2 dBf, FM Stereo Separation 30 dB. **Warranty:** 1 year. **Installation Data:** Size code "A" (for your car, please see pages 58-67). Chassis dimensions 7"W x 2"H.

JVC KS-R135

JVC's KS-R135 is a good deal that just got better, thanks to our new low price. Tape and tuner performance is surprisingly strong for this price range. Save all your favorite stations with 20 memory presets, and let Preset Scan play a brief sample of each one. With the JVC name on it, this receiver naturally offers excellent cassette performance, with an unusually well-built auto-reverse mechanism. When you listen at low volume levels an automatic loudness circuit boosts bass for richer sound. At medium volume or higher, this effect fades out and you can use the separate bass and treble controls for fine-tuning. Four speaker outputs and a fader surround you with great sound.

Item #105KSR135 List Price: \$170

NEW LOW PRICE: \$129



Size
U

Depth
6 3/4"

Features: Quartz synthesis seek tuning, 12 FM & 6 AM presets with Preset Scan, Auto Store, auto-reverse, separate bass and treble, auto loudness, 4 speaker outputs with fader (type #5), RCA preamp outputs, clock, night illumination. **Specifications:** 3.2 watts per channel, Tape Frequency Response (± 3 dB) 30-16,000 Hz, Tape Signal-to-Noise 53 dB, Wow and Flutter 0.10%, FM Sensitivity 12 dBf, FM Stereo Separation 35 dB. **Warranty:** 1 year. **Installation Data:** Size code "U" (for your car, please see pages 58-67). Chassis dimensions 7"W x 2"H.

Clarion 8403RT

For drivers who rely on the radio for the music and/or information they need every day, here's an affordable receiver from the tuner experts at Clarion. Along with station-grabbing sensitivity, the 8403RT has 18 memory presets and handy Preset Scan. Clarion cares about you cassette listeners, too; they included auto-reverse for long-distance listening, plus switchable tape EQ for optimum sound with a variety of different tapes. Separate bass and treble controls help you find just the right sonic balance for whatever music you're listening to. And you have the versatility of 4-speaker front-to-back fading with or without an add amplifier.

Item #0208403RT List Price: \$200

YOUR LOW PRICE: \$139



Size
U

Depth
6 3/4"

Features: High power, quartz synthesis IntelliTuner, 12 FM & 6 AM presets with Preset Scan, 6-station Auto Travel Presets, local/distant switch, auto-reverse, Dolby B, Auto Tape Stand-By, separate bass and treble, BASS-XPANDER circuit, 4 speaker outputs with fader (type #4), RCA preamp outputs, clock, night illumination. **Specifications:** 9.5 watts per channel, Tape Frequency Response 50-14,000 Hz, Tape Signal-to-Noise 62 dB (Dolby B), Wow and Flutter 0.15%, FM Sensitivity 17 dBf, FM Stereo Separation 30 dB. **Warranty:** 1 year. **Installation Data:** Size code "U" (for your car, please see pages 58-67). Chassis dimensions 6 3/4"W x 2"H.

Sanyo MAR-1200

With Sanyo's bargain-priced MAR-1200 in your dash, you'll be able to enjoy your cassette collection more than ever. It offers auto-reverse for uninterrupted playback, and Dolby B to quiet irritating hiss. And whenever a tape is rewinding or fast-forwarding, the Auto Tape Stand-By feature automatically switches to radio mode for continuous music. Sanyo's IntelliTuner has several computer-controlled circuits which automatically respond to changing signal conditions. The result is cleaner FM. Tuner conveniences include 18 station presets plus handy Preset Scan. A set of RCA preamp outputs is provided for connecting an amp, just in case the built-in high power isn't enough.

Item #140MAR1200 List Price: \$250

YOUR LOW PRICE: \$149



Size
I&E

Depth
6 3/4"

Features: Quartz synthesis IntelliTuner, 12 FM & 6 AM presets with Preset Scan, 6-station Auto Travel Presets, local/distant switch, auto-reverse, Auto Tape Stand-By, separate bass and treble, BASS-XPANDER circuit, 4 speaker outputs with fader (type #4), RCA preamp outputs, clock, night illumination. **Specifications:** 3 watts per channel, Tape Frequency Response 50-14,000 Hz, Tape Signal-to-Noise 52 dB, Wow and Flutter 0.15%, FM Sensitivity 17 dBf, FM Stereo Separation 30 dB. **Warranty:** 1 year. **Installation Data:** Size code "I&E" (for your car, please see pages 58-67). Chassis dimensions 7 1/8"W x 2 1/8"H.

Sanyo MAR-2000 **NEW**

The tuner in Sanyo's snappy new MAR-2000 has some nifty features. There are 18 memory presets for storing your favorite stations, and Preset Scan stops at each one to let you hear a brief sample. When you're driving through unfamiliar territory, the Auto Travel Preset feature scans the band and stores the six strongest stations, automatically. You'll never have to flip a cassette because the MAR-2000 has auto-reverse. Sanyo's BASS-XPANDER circuit (don't you love that name?) is specially designed to boost bass frequencies that have to compete with wind and road noise. It really punches things up. Bass and treble control and 4-speaker fading complete this winner.

Item #140MAR2000 List Price: \$250

YOUR LOW PRICE: \$149

Sony XR-6087

Don't gamble on a no-name receiver when you can own Sony's XR-6087 for just \$149. The quartz synthesis seek tuner includes Sony Super Interference Rejection circuitry for cleaner FM. You can tune manually or store up to 18 of your favorite stations in the preset memories. The reliable auto-reverse tape section has switchable tape EQ for high fidelity sound with a variety of tapes. No matter what your listening preference is, you'll like the precision of separate bass and treble controls. Surround yourself with 4-speaker sound and balance from front to back with the built-in fader. Look at the features. Compare the specs. Now check the price. The XR-6087 is tough to beat.

Item #158XR6087 List Price: \$200
YOUR LOW PRICE: \$149



Size
A

Depth
5 3/4"

Features: Quartz synthesis seek tuning, 12 FM & 6 AM presets, auto-reverse, tape EQ, stereo/mono & local/distant switches, separate bass and treble, 4 speaker outputs with fader (type #1), clock, night illumination. **Specifications:** 4 watts per channel, Tape Frequency Response (± 3 dB) 40-15,000 Hz, Tape Signal-to-Noise 58 dB, Wow and Flutter 0.13%, FM Sensitivity 13 dBf, FM Stereo Separation 35 dB. **Warranty:** 1 year. **Installation Data:** Size code "A" (for your car, please see pages 58-67). Chassis dimensions 7"W x 2"H.

JVC KS-R400 / KS-R500

These stylish JVCs were already best-sellers. At our new low prices they're just about irresistible. The cassette section is JVC's rugged U-Turn auto-reverse design, providing accurate playback in either direction. The quartz-locked tuner can store up to 20 stations in one-touch memory presets, or just hit Scan and listen to brief samples of stations until you find one you want. At just \$179, the KS-R500 is one of our most affordable removable receivers. Instead of worrying about having your stereo ripped off, just pull it out and take it with you.

Item #105KSR400 List Price: \$200 (pictured)
NEW LOW PRICE: \$149
Item #105KSR500 List Price: \$230
NEW LOW PRICE: \$179



Size
I&E

Depth
6 3/4"

Features: Quartz synthesis tuning, 15 FM & 5 AM presets, seek and scan modes, auto-reverse, separate bass and treble, auto-loudness, stereo/mono switch, 4 speaker outputs with fader (type #1), clock, night illumination. **KS-R500** adds removable chassis and Preset Scan, but loses clock. **Specifications:** 3 watts per channel, Tape Frequency response (± 3 dB) 50-13,000 Hz, Tape Signal-to-Noise 52 dB, Wow and Flutter 0.13%, FM Sensitivity 17.2 dBf, FM Stereo Separation 30 dB. **Warranty:** 1 year. **Installation Data:** Size code "I&E" (for your car, please see pages 58-67). Chassis dimensions 7 1/16"W x 2 1/16"H; [KS-R500] 7 1/8"W x 2 1/16"H, depth 6 1/4".

Sherwood XR-4127

When it comes to features-per-dollar, it's tough to beat Sherwood. Their XR-4127 is one of our most affordable receivers to combine auto-reverse, a Metal/Normal tape EQ button, and convenient tape Music Search. The feature-packed tuner lets you store a whopping 30 stations (18 FM & 12 AM) in the memory presets. You can hear a brief sample of each one by touching the Preset Scan button. Separate bass and treble controls help you get the exact sound you're looking for, while auto-loudness adds ear-pleasing bass boost at low volume levels. But you'll probably do more listening at higher volume thanks to the XR-4127's powerful built-in amplifier.

Item #150XR4127 List Price: \$230
YOUR LOW PRICE: \$159



Size
U

Depth
5 7/8"

Features: High power, quartz synthesis seek tuning, 18 FM & 12 AM presets with Preset Scan, Auto Memory Store travel presets, local/distant switch, auto-reverse, MSS tape search, tape EQ, separate bass and treble, auto-loudness, 4 speaker outputs with fader (type #5), RCA preamp outputs, clock, night illumination. **Specifications:** 14 watts per channel, Tape Frequency Response (± 3 dB) 30-18,000 Hz, Tape Signal-to-Noise 55 dB, Wow and Flutter 0.09%, FM Sensitivity 12.4 dBf, FM Stereo Separation 40 dB. **Warranty:** 1 year. **Installation Data:** Size code "A" (for your car, please see pages 58-67). Chassis dimensions 7"W x 2"H.

Sherwood XR-3154 / XR-3164P

These sleek, Euro-style Sherwoods are powerful reminders that quality car audio doesn't have to be expensive. By "powerful" we're talking 14 watts per channel. That's plenty to play 2 or 4 speakers at comfortably loud levels. For cassette listening, you can just slide in a tape and let auto-reverse do the rest, or jump with pinpoint precision from one song to another using Music Search. The tuner gives you a total of 30 memory presets to hold all your favorites, plus Preset Scan which provides a brief sample of each. The XR-3164P has a pull-out chassis to thwart thieves.

Item #150XR3154 List Price: \$240 (pictured)
YOUR LOW PRICE: \$169
Item #150XR3164P List Price: \$270
YOUR LOW PRICE: \$189



Size
E

Depth
6 1/2"

Features: High power, quartz synthesis seek tuning, 18 FM & 12 AM presets with Preset Scan, Auto Memory Store travel presets, local/distant switch, auto-reverse, MSS tape search, tape EQ, separate bass and treble, auto loudness, 4 speaker outputs with fader (type #5), RCA preamp outputs, night illumination. **XR-3164P** adds removable chassis. **Specifications:** 14 watts per channel, Tape Frequency Response (± 3 dB) 30-18,000 Hz, Tape Signal-to-Noise 55 dB, Wow and Flutter 0.09%, FM Sensitivity 12.4 dBf, FM Stereo Separation 40 dB. **Warranty:** 1 year. **Installation Data:** Size code "E" (for your car, please see pages 58-67). Chassis dimensions 7 1/16"W x 2 1/16"H.



Size A **Depth 6 1/2"** **Features:** Quartz synthesis tuning, seek tuning (up), 12 FM & 6 AM presets, auto-reverse, hard Permalloy tape head, tape EQ, separate bass & treble, loudness switch, 4 speaker outputs with fader (type #1), clock, night illumination. **Specifications:** 4 watts per channel, Tape Frequency Response (± 3 dB) 30-16,000 Hz, Tape Signal-to-Noise 54 dB, Wow and Flutter 0.12%, FM Sensitivity 13.2 dBf, FM Stereo Separation 38 dB. **Warranty:** 1 year. **Installation Data:** Size code "A" (for your car, please see pages 58-67). Chassis dimensions: 7 1/16"W x 2"H.

Kenwood KRC-1004

The KRC-1004 is a good example of why we're so excited about Kenwood car audio. The tuner section is incredibly good for a receiver priced at just \$159. Kenwood's FM Automatic Noise Reduction Circuit constantly monitors the signal at your antenna and makes subtle mode changes as necessary—from stereo to high-cut to mono blend and soft-mute—so you get the best possible sound at all times. Cassette performance is also excellent for this price range, with a road-proven auto-reverse mechanism, metal tape capability, and a Permalloy tape head. System controls include separate bass and treble, loudness switch and front-to-rear fading for 4-speaker systems.

Item #113KRC1004 List Price: \$219

NEW LOW PRICE: \$159



Size U **Depth 6 3/4"** **Features:** Quartz synthesis Magi-Tune, 12 FM & 6 AM presets with Preset Scan, Auto Store, auto-reverse with Dual Azimuth Adjust, Dolby B, APC tape search, tape EQ, separate bass & treble, auto loudness, radio/tape switch, 4 speaker outputs with fader (type #5), RCA preamp outputs, clock, night illumination. **Specifications:** 3.2 watts per channel, Tape Frequency Response (± 3 dB) 30-18,000 Hz, Tape Signal-to-Noise 63 dB (Dolby B), Wow and Flutter 0.10%, FM Sensitivity 12 dBf, FM Stereo Separation 35 dB. **Warranty:** 1 year. **Installation Data:** Size code "U" (for your car, please see pages 58-67). Chassis dimensions 7"W x 2"H.

Clarion 8703RT

The 8703RT combines Clarion's most advanced electronic tuner and all the most-asked-for tape features for only \$179! Patented Magi-Tune circuitry provides crisp, noise-free reception. Conveniences include 18 station presets and Preset Scan. Tape listening is a pleasure as well, with Dolby B noise reduction, auto-reverse with Dual Azimuth Adjust, and APC tape search. A radio/tape switch simplifies moving back and forth between cassette and tuner play (among our group of car stereo veterans, this is considered a highly desirable feature). Along with separate bass & treble controls, you get 4 speaker outputs and a front/rear fader that works even when you add an amp.

Item #0208703RT List Price: \$250

YOUR LOW PRICE: \$179



Size E **Depth 6 1/2"** **Slide Out** **Features:** Removable chassis, quartz synthesis Supertuner, 18 FM & 6 AM presets with Preset Scan, Best Stations Memory, auto seek/local seek, auto-reverse, Tape Guard, separate bass and treble, 4 speaker outputs with fader (type #5), RCA preamp outputs, amber illumination. KE-2700QR adds tape Music Search and a loudness switch. **Specifications:** 3.2 watts per channel, Tape Frequency Response (± 3 dB) 50-14,000 Hz, Tape Signal-to-Noise 52 dB, Wow and Flutter 0.13%, FM Sensitivity 11 dBf, FM Stereo Separation 40 dB. **Warranty:** 1 year. **Installation Data:** Size code "E" (for your car, please see pages 58-67). Chassis dimensions 7 1/4"W x 2 1/8"H.

Pioneer KE-1700QR/KE-2700QR

Pioneer believes that you shouldn't have to spend big bucks to enjoy the peace of mind of a theft-preventing pull-out receiver. And these two models are definitely worth hanging onto. Both have Pioneer's world-famous Supertuner FM circuitry, with 24 presets for your favorite stations, plus handy Preset Scan. Both include auto-reverse for long distance listening. And both have 4 speaker outputs with fading. If you do more cassette listening, consider the KE-2700QR, which adds tape Music Search and a loudness switch. Optional carry bag #227CSC1 \$19.

Item #130KE1700 List Price: \$272 (pictured)

YOUR LOW PRICE: \$179

Item #130KE2700 List Price: \$296

YOUR LOW PRICE: \$199



Depth 5 5/8" **Features:** Panel chassis design, quartz synthesis seek tuning, 12 FM & 6 AM presets with Preset Scan, auto-reverse with Dual Azimuth Adjust, tape EQ, separate bass and treble, 4 speaker outputs with fader (type #5), RCA preamp outputs, clock, night illumination. 2002RT adds high power, Dolby B, APC tape search, key-off pinchroller release and a tape/radio switch. **Specifications:** 3.2 watts per channel (2002RT has 12 watts per channel), Tape Frequency Response (± 3 dB) 30-16,000 Hz (30-18,000 Hz for 2002RT), Tape Signal-to-Noise 56 dB (63 dB for 2002RT-Dolby B), Wow and Flutter 0.12%, FM Sensitivity 12 dBf, FM Stereo Separation 35 dB. **Warranty:** 1 year. **Installation Data:** Special chassis size (for your car, please see pages 58-67). Chassis dimensions 7 7/8"W x 3 3/8"H.

Clarion 2001RT / 2002RT

GM and Chrysler owners, you're in luck. Now you can replace your factory panel radio with one of these high-performance Clarions. Both combine world-famous tuner sensitivity with a rugged auto-reverse cassette mechanism. Both can power 2 or 4 speakers alone or with an added amplifier while maintaining front-to-back fader control. Moving up to the 2002RT gains you built-in high power (12 watts per channel), Dolby B noise reduction, APC tape search, and key-off pinchroller release. You also get Clarion's finest MagiTune FM circuitry.

Item #0202001RT List Price: \$240

YOUR LOW PRICE: \$179

Item #0202002RT List Price: \$320 (pictured)

YOUR LOW PRICE: \$249

JVC KS-R155

JVC's affordable KS-R155 leaves out the frills in favor of tuner and tape deck features you'll actually use. Slide in a tape and enjoy non-stop auto reverse listening without annoying tape hiss, thanks to Dolby B noise reduction. And Music Scan puts your favorite songs at your fingertips. The tuner lets you choose a station three ways: tune manually, punch in a station directly using the 20 memory presets, or sample your preset stations with Preset Scan. The built-in amp can drive 4 speakers to moderate levels, but if you like a bigger sound, it's easy to add an amp. The KS-R155's user-friendly design includes switchable amber/green illumination, a feature usually found on more expensive models.

Item #105KSR155 List Price: \$220

YOUR LOW PRICE: \$179

Sony XR-4147

We think you'll agree that Sony's DIN-chassis receivers are among the best-looking around (have you noticed how other manufacturers have rushed to copy them?). Their XR-4147 packs a high-powered punch, and with precision auto reverse, built-in high power, and a tuner with Sony Super Interference Rejection, it can make the miles melt away. Conveniences include 18 station presets, a 4-speaker fader, and separate bass and treble controls. Other brands may imitate Sony's great looks, but they just don't have that Sony magic.

Item #158XR4147 List Price: \$260

NEW LOW PRICE: \$179

JVC KS-RX175

The KS-RX175 has 4-channel power to tame the noisy car environment, with 3 watts per channel for the front and 8 watts per channel for the back. An auto loudness circuit beefs up the bass output at low listening levels, while separate bass and treble controls fine-tune the sound at any level. JVC's U-Turn auto-reverse transport offers plenty of performance and convenience, with Dolby B to quiet tape hiss and Music Scan to locate songs almost instantly. The quartz synthesis tuner provides drift-free accuracy and 20 memory presets. You can enjoy the KS-RX175's high power now, then add an amp in the future and still have front-to-back fading.

Item #105KSRX175 List Price: \$250

YOUR LOW PRICE: \$199

Kenwood KRC-2004

Ever wonder why the music distorts when you crank up the volume on your low-powered receiver? The amplifier runs out of power and begins to "clip" the signal. With 15 watts per channel, the high-powered KRC-2004 will solve that problem while adding the quality and features that set Kenwood apart from the rest. Its auto reverse tape section can play normal, high bias, or metal tapes and is equipped with a hard Permalloy head for long-term reliability. You also get a top-notch tuner with Kenwood's computerized FM Automatic Noise Reduction Circuit for noise and multipath suppression. Other features include separate bass and treble, a loudness switch, and front-to-back fading.

Item #113KRC2004 List Price: \$239

YOUR LOW PRICE: \$199



Size
A

Depth
6 1/4"

Features: Quartz synthesis seek tuning, 15 FM & 5 AM presets with Preset Scan, auto-reverse, Dolby B, Music Scan tape search, separate bass and treble, automatic loudness, stereo/mono switch, 4 speaker outputs with fader (type #4), RCA preamp outputs, clock, switchable amber/green illumination. **Specifications:** 3 watts per channel, Tape Frequency Response (± 3 dB) 50-13,000 Hz, Tape Signal-to-Noise 60 dB (Dolby B), Wow and Flutter 0.13%, FM Sensitivity 17.2 dBf, FM Stereo Separation 30 dB. **Warranty:** 1 year. **Installation Data:** Size code "A" (for your car, please see pages 58-67). Chassis dimensions 7"W x 2"H.



Size
I&E

Depth
6 1/4"

Features: High power, quartz synthesis seek tuning, 12 FM & 6 AM presets, auto reverse, separate bass and treble, mono/stereo switch, 4 speaker outputs with fader (type #1), clock, night illumination. **Specifications:** 9 watts per channel, Tape Frequency Response (± 3 dB) 30-13,000 Hz, Tape Signal-to-Noise 55 dB, Wow and Flutter 0.15%, FM Sensitivity 15 dBf, FM Stereo Separation 35 dB. **Warranty:** 1 year. **Installation Data:** Size code "I&E" (for your car, please see pages 58-67). Chassis dimensions 7"W x 2"H.



Size
U

Depth
5 5/8"

Features: High power, quartz synthesis seek tuning, 15 FM & 5 AM presets with Preset Scan, auto-reverse, Dolby B, Music Scan tape search, tape EQ, separate bass and treble, auto loudness, stereo/mono switch, 4 speaker outputs with fader (type #5), RCA preamp outputs, clock, switchable amber/green illumination. **Specifications:** 8 watts per channel (rear), 3 watts per channel (front), Tape Frequency Response (± 3 dB) 50-16,000 Hz, Tape Signal-to-Noise 60 dB (Dolby B), Wow and Flutter 0.13%, FM Sensitivity 16.3 dBf, FM Stereo Separation 35 dB. **Warranty:** 1 year. **Installation Data:** Size code "U" (for your car, please see pages 58-67). Chassis dimensions 7"W x 2"H.



Size
A

Depth
6 1/2"

Features: High power, quartz synthesis tuning, seek tuning (up), 12 FM & 6 AM presets, auto reverse, hard Permalloy tape head, tape EQ, separate bass & treble, loudness switch, 4 speaker outputs with fader (type #1), clock, night illumination. **Specifications:** 15 watts per channel, Tape Frequency Response (± 3 dB) 30-16,000 Hz, Tape Signal-to-Noise 54 dB, Wow and Flutter 0.12%, FM Sensitivity 13.2 dBf, FM Stereo Separation 38 dB. **Warranty:** 1 year. **Installation Data:** Size code "A" (for your car, please see pages 58-67). Chassis dimensions: 7 1/8"W x 2"H.



Size E **Depth 6 1/2"** **Features:** High power, quartz synthesis seek tuning, 12 FM & 6 AM presets, auto-reverse, hard permalloy tape head, tape EQ, separate bass and treble, loudness, 4 speaker outputs with fader (type #1), clock, night illumination. **Specifications:** 15 watts per channel, Tape Frequency Response (± 3 dB) 30-16,000 Hz, Tape Signal-to-Noise 54 dB, Wow and Flutter 0.12%, FM Sensitivity 12 dBf, FM Stereo Separation 40 dB. **Warranty:** 1 year. **Installation Data:** Size code "E" (for your car, please see pages 58-67). Chassis dimensions 7 1/16"W x 2 1/8"H.

Kenwood KRC-210

Part of the key to Kenwood's runaway success is their excellent build quality and attention to detail. You can see it in the clean, no-nonsense design of the KRC-210. You can feel it in the action of the buttons and knobs. And though it costs less than \$200, this model uses Kenwood's best tuner circuitry, with specs that will stack up against anyone's. You can program up to 18 of your favorite stations in the one-touch preset memories. And the auto-reverse cassette section delivers excellent response for this price range. One other big bonus is high power: 15 clean watts per channel to drive 2 or 4 speakers. The front/rear fader lets you put the power where it will do the most good.

Item #113KRC210 List Price: \$259
YOUR LOW PRICE: \$199



Size U **Depth 6 3/4"** **Features:** High power, quartz synthesis Magi-Tune seek tuning, 12 FM & 6 AM presets with Preset Scan, Auto Store, auto-reverse with Dual Azimuth Adjust, Dolby B, APC tape search, tape EQ, separate bass and treble, auto loudness, 4 speaker outputs with fader (type #5), RCA preamp outputs, CD input, radio/tape switch, clock, night illumination. **Specifications:** 12 watts per channel, Tape Frequency Response (± 3 dB) 30-18,000 Hz, Tape Signal-to-Noise 63 dB (Dolby B), Wow and Flutter 0.10%, FM Sensitivity 12 dBf, FM Stereo Separation 35 dB. **Warranty:** 1 year. **Installation Data:** Size code "U" (for your car, please see pages 58-67). Chassis dimensions 7"W x 2"H.

Clarion 9701RT

If your favorite station keeps slipping away from your present radio, it's time you experienced the station-grabbing magic of Clarion's patented Magi-Tune system. Along with automatic local/distant sensitivity adjustment and mono/stereo blend, this tuner constantly monitors and fine-tunes every element of reception for crisp, clean sound. The 9701RT also has the tape features you need in a car: auto-reverse for continuous play, Dolby B to cut out tape hiss, and APC tape search to locate songs in seconds. There's also a front panel mini-jack to plug your portable CD player into. The 9701RT's high-powered amp overcomes wind and road noise.

Item #0209701RT List Price: \$300
YOUR LOW PRICE: \$219



Size U **Depth 6 3/4"** **Features:** High power, quartz synthesis Supertuner, 18 FM & 6 AM presets with Preset Scan, Radio Intercept, auto-reverse, tape Music Search, Tape Guard, key-off pinchroller release, separate bass and treble, loudness, 4 speaker outputs with fader (type #4), RCA preamp outputs, clock, night illumination. KEH-7878 adds Supertuner III, Dolby B, and a tape EQ switch. **Specifications:** 10 watts per channel, Tape Frequency Response (± 3 dB) 40-14,000 Hz (40-17,000 Hz for KEH-7878), Tape Signal-to-Noise 52 dB (63 dB for KEH-7878—Dolby B), Wow and Flutter 0.13%, FM Sensitivity 11 dBf, FM Stereo Separation 35 dB (40 dB for KEH-7878). **Warranty:** 1 year. **Installation Data:** Size code "U" (for your car, please see pages 58-67). Chassis dimensions 7 1/4"W x 2"H.

Pioneer KEH-6868 / KEH-7878

If you're ready to move up to cleaner, more powerful car audio performance, these Pioneers are for you. Both have plenty of juice to drive 2 or 4 speakers. Volume, balance, bass & treble, and loudness controls are a soft-touch electronic design for convenience and precision. Cassette features include auto-reverse and Music Search. The Radio Intercept feature automatically switches to radio whenever a tape is fast-winding. For just \$30 more, the KEH-7878 offers enhanced tape and tuner performance with Dolby B and switchable tape EQ, plus Pioneer's latest Supertuner III circuitry.

Item #130KEH6868 List Price: \$326

YOUR LOW PRICE: \$219

Item #130KEH7878 List Price: \$376 (pictured)

YOUR LOW PRICE: \$249



Size E **Depth 6 1/4"** **Slide Out** **Features:** Removable chassis, quartz synthesis Supertuner III, 18 FM & 6 AM presets with Preset Scan, Best Stations Memory, auto/local seek, autoreverse, Dolby B, tape Music Search, tape EQ, separate bass and treble, loudness, 4 speaker outputs with fader (type #5), RCA preamp outputs, night illumination. **Specifications:** 3.2 watts per channel, Tape Frequency Response (± 3 dB) 50-17,000 Hz, Tape Signal-to-Noise 63 dB (Dolby B), Wow and Flutter 0.13%, FM Sensitivity 11 dBf, FM Stereo Separation 40 dB. **Warranty:** 1 year. **Installation Data:** Size code "E" (for your car, please see pages 58-67). Chassis dimensions 7 1/4"W x 2 1/4"H.

Pioneer KE-3700QR

Pioneer's removable KE-3700QR will make a lot of music lovers happy—and a lot of would-be thieves sad. It gives you all of the station-grabbing performance of Pioneer's latest Supertuner III circuitry, plus the convenience of 24 station presets with Preset Scan. And every important tape feature is included: auto-reverse, Dolby B, switchable tape EQ, and Music Search to find songs in a hurry. To get the most out of your system, now and later, a 4-speaker Flex-Fader provides front-to-back balance with or without an added amp. Optional carry bag #227CSC1, \$19.

Item #130KE3700 List Price: \$332

YOUR LOW PRICE: \$229

Sony XR-6287

Free cassette crate!

Instead of focusing on just one aspect of car receiver performance, Sony designed the XR-6287 to do everything well. The tuner's special interference-rejection circuitry delivers crisp, clean FM around town or in the country. You should have no trouble filling the 18 station presets. The tape section is the same reliable, good-sounding auto-reverse mechanism Sony is famous for. You get Dolby B noise reduction, convenient AMS tape search, and switchable tape EQ. The built-in amplifier has some serious power—12 watts per channel. The 2-way fader provides pinpoint 4-speaker control with or without an added amplifier. Along with a new low price, you get a free cassette storage crate and 90-minute blank tape while supplies last.

Item #700XR6287 List Price: \$280

NEW LOW PRICE: \$199

Clarion 9731RT / 9772RT

For the money, the 9731RT is long on power, performance, and features. Clarion's Magi-Tune system constantly monitors the factors affecting FM performance and responds accordingly. Store up to 20 of your favorite stations and hear a brief sample of each one by touching Preset Scan. The 9731RT has tape features covered, too: auto-reverse, Dolby B, APC tape search, and key-off pinchroller release. There's even an indicator that tells you when the tape head needs cleaning! If you live or park in a "radio-free" zone, you'll want the 9772RT's pull-out chassis peace of mind.

Item #0209731RT List Price: \$320 (pictured)

YOUR LOW PRICE: \$229

Item #0209772RT List Price: \$350

YOUR LOW PRICE: \$259

Sony XR-4257

This sharp-looking receiver happens to be Sony's most affordable pull-out chassis model. Of course, you can install it permanently if you choose, but knowing you can slide the XR-4257 out and carry it with you can be mighty reassuring, these days. With 12 watts per channel, there's plenty of power for 2 or even 4 speakers. If you like it really loud, a set of RCA preamp outputs is provided for connecting an external amplifier. The tape deck offers the long-playing pleasure of auto-reverse. This is one of Sony's finest quartz-locked tuner designs, with 24 station memories and convenient Memory Scan. Optional carry bag #227CSC1, \$19.

Item #158XR4257 List Price: \$310

NEW LOW PRICE: \$219

Kenwood KRC-3004



For advanced tape features and add-on flexibility, step up to Kenwood's high-powered KRC-3004. Besides a built-in amp with 15 watts per channel, it includes RCA preamp outputs, so adding a separate amp or equalizer/booster is a snap. And the auto-reverse tape section is equipped with Dolby B, a tape EQ switch, and Tape Advance to find songs in a hurry. The tuner is outstanding: you'll really like the way Kenwood's Automatic Noise Reduction Circuit delivers more music and less static and noise. Tuner Call automatically switches the listening mode to radio while the tape is rewinding or fast forwarding. The KRC-3004 is well thought-out and well-built. It's a strong value at our low price of \$249.

Item #113KRC3004 List Price: \$299

YOUR LOW PRICE: \$249Size
A Depth
6"

Features: High power, quartz synthesis tuning with Sony Super Interference Rejection, 12 FM & 6 AM presets, mono/stereo & local/distant switches, auto-reverse, Dolby B, AMS tape search, tape EQ, separate bass and treble, loudness, 4 speaker outputs with fader (type #5), RCA preamp outputs, clock, night illumination. **Specifications:** 12 watts per channel, Tape Frequency Response (± 3 dB) 40-16,000 Hz, Tape Signal-to-Noise 66 dB (Dolby B), Wow and Flutter 0.13%, FM Sensitivity 12.5 dBf, FM Stereo Separation 35 dB. **Warranty:** 1 year. **Installation Data:** Size code "A" (for your car, please see pages 58-67). Chassis dimensions 7"W x 2"H.

Size
I&E Depth
6 1/2"

Features: High power, quartz synthesis Magi-Tune seek tuning, 15 FM & 5 AM presets with Preset Scan, Auto Store, auto-reverse with Dual Azimuth Adjust, Dolby B, APC tape search, tape EQ, key-off pinchroller release, separate bass and treble, loudness, radio/tape switch, tape head cleaning indicator, 4 speaker outputs with fader (type #5), RCA preamp outputs, clock, night illumination. 9772RT adds removable chassis and loses clock. **Specifications:** 8 watts per channel, Tape Frequency Response (± 3 dB) 30-18,000 Hz, Tape Signal-to-Noise 63 dB (Dolby B), Wow and Flutter 0.10%, FM Sensitivity 12 dBf, FM Stereo Separation 35 dB. **Warranty:** 1 year. **Installation Data:** Size code "I&E" ("E" for 9772RT) (for your car, please see pages 58-67). Chassis dimensions: 7"W x 2"H; 9731RT depth is 6 1/4".

Size
I&E Depth
5 1/2"

Features: Removable chassis, high power, quartz synthesis tuner with Sony Super Interference Rejection, 18 FM & 6 AM presets with preset Memory Scan, mono/stereo & local/distant switches, auto-reverse, separate bass and treble, loudness, 4 speaker outputs with fader (type #4), RCA preamp outputs, night illumination. **Specifications:** 12 watts per channel, Tape Frequency Response (± 3 dB) 30-16,000 Hz, Tape Signal-to-Noise 58 dB, Wow and Flutter 0.13%, FM Sensitivity 13 dBf, FM Stereo Separation 35 dB. **Warranty:** 1 year. **Installation Data:** Size code "I&E" (for your car, please see pages 58-67). Chassis dimensions 7 1/16"W x 2 1/8"H.

Size
A Depth
6 1/2"

Features: High power, quartz synthesis tuning, seek tuning (up), 12 FM & 6 AM presets, auto-reverse, Dolby B, tape EQ, Tape Advance tape search, Tuner Call, separate bass & treble, loudness switch, 4 speaker outputs with fader (type #5), RCA preamp outputs, Clock, night illumination. **Specifications:** 15 watts per channel, Tape Frequency Response (± 3 dB) 30-16,000 Hz, Tape Signal-to-Noise 63 dB (Dolby B), Wow and Flutter 0.12%, FM Sensitivity 13.2 dBf, FM Stereo Separation 38 dB. **Warranty:** 1 year. **Installation Data:** Size Code "A" (for your car, please see pages 58-67). Chassis dimensions 7 1/16"W x 2"H.

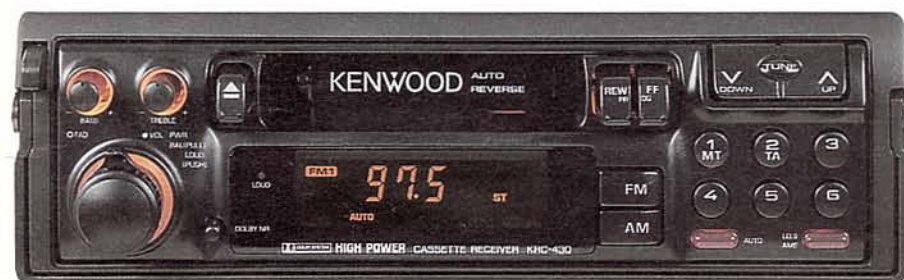


Size
E

Depth
5 7/8"

Slide
Out

Features: Removable chassis, high power, quartz synthesis seek tuning with Sony Super Interference Rejection, 18 FM & 6 AM presets with preset Memory Scan, Automatic Tuner Activation, auto-reverse, Dolby B, tape EQ, AMS tape search, separate bass and treble, loudness, mono/stereo and local/distant switches, 4 speaker outputs with fader (type #5), RCA preamp outputs, night illumination. **Specifications:** 11 watts per channel, Tape Frequency Response (± 3 dB) 40-16,000 Hz, Tape Signal-to-Noise 66 dB (Dolby B), Wow and Flutter 0.15%, FM Sensitivity 12.5 dBf, FM Stereo Separation 35 dB. **Warranty:** 1 year. **Installation Data:** Size code "E" (for your car, please see pages 58-67). Chassis dimensions 7 7/8" W x 2"H.



Size
I&E

Depth
6 1/4"

Slide
Out

Features: Removable chassis, high power, quartz synthesis seek tuning, 12 FM & 6 AM presets, 6-station Auto Memory, auto-reverse, Dolby B, Tape Advance music search, tape EQ, separate bass and treble, loudness, 4 speaker outputs with fader (type #5), RCA preamp outputs, night illumination. **Specifications:** 15 watts per channel, Tape Frequency Response (± 3 dB) 30-16,000 Hz, Tape Signal-to-Noise 63 dB (Dolby B), Wow and Flutter 0.12%, FM Sensitivity 12 dBf, FM Stereo Separation 40 dB. **Warranty:** 1 year. **Installation Data:** Size code "I&E", "I" requires kit #113CK60A, \$24 (for your car, please see pages 58-67). Chassis dimensions 7 1/8" W x 2 1/8" H.



Size
U

Depth
6 1/2"

Slide
Out

Features: High power, quartz synthesis Supertuner III, 18 FM & 6 AM presets with Preset Scan, Radio Intercept, auto/local seek, auto-reverse, Dolby B, tape Music Search, tape EQ, key-off pinchroller release, separate bass and treble, loudness, Super Bass, Stereo Wide, 4 speaker outputs with Front/Rear Blend Control, RCA preamp outputs, clock, night illumination. **Specifications:** 10 watts per channel, Tape Frequency Response (± 3 dB) 40-17,000 Hz, Tape Signal-to-Noise 63 dB (Dolby B), Wow and Flutter 0.13%, FM Sensitivity 11 dBf, FM Stereo Separation 40 dB. **Warranty:** 1 year. **Installation Data:** Size code "U" (for your car, please see pages 58-67). Chassis dimensions 7 7/8" W x 2"H.



Size
E

Depth
6 3/4"

Slide
Out

Features: Detachable face, high power, quartz synthesis Supertuner III, 18 FM & 6 AM presets with Preset Scan, auto/local seek, Radio Intercept, auto-reverse, Dolby B, tape Music Search, tape EQ, separate bass and treble, loudness, 4 speaker outputs with fader (type #5), RCA preamp outputs, clock, night illumination. **Specifications:** 10 watts per channel, Tape Frequency Response (± 3 dB) 40-17,000 Hz, Tape Signal-to-Noise 60 dB (Dolby B), Wow and Flutter 0.13%, FM Sensitivity 11 dBf, FM Stereo Separation 40 dB. **Warranty:** 1 year. **Installation Data:** Size code "E" (for your car, please see pages 58-67). Chassis dimensions 7 7/8" W x 2 1/8" H.



DETACHABLE
CONTROL FACE

Sony XR-5500

Free cassette crate!

The XR-5500's pull-out chassis is a simple yet effective response to the epidemic of car stereo theft. You really can take it with you. For cassette fans, there's auto-reverse, Dolby B, switchable tape EQ, and the convenience of AMS tape search. The sensitive tuner has 24 station presets and preset-sampling Memory Scan. The Automatic Tuner Activation feature will switch to radio play whenever a cassette is fast-winding. This model pumps out 11 watts per channel and has a flexible fader that maintains precise front-to-back control even when you add a separate amplifier. The XR-5500 has it all: sharp looks, great sound, and removable-chassis peace of mind. Optional carry bag #227CSC1, \$19. While supplies last, Sony will throw in a free cassette storage crate and 90-minute blank tape!

Item #700XR5500 List Price: \$370

NEW LOW PRICE: \$249

Kenwood KRC-430

One of the things we like most about Kenwood's receivers is that you don't have to go top-of-the-line to get outstanding performance. For example, the KRC-430 uses the same terrific tuner as the \$499 KRC-930. Along with excellent sensitivity, an advanced FM noise reduction system guarantees the quietest possible signal at all times. You'll like what the KRC-430 does for cassettes, too, with auto-reverse, Dolby B, and Music Search. And all the music comes through loud and clear thanks to the powerful built-in amplifier. Drive 4 speakers as is, or add an amp and still have fader control. Kenwood added a pull-out chassis for easy theft prevention. Optional carry bag #227CSC1, \$19. Item #113KRC430 List Price: \$369

YOUR LOW PRICE: \$299

Pioneer KEH-9898TR

Pioneer's popular KEH-9898TR is designed specifically for pickups and vans. These special features provide richer sound: Super Bass circuitry to boost low frequencies, Stereo Wide to expand the stereo image, and Front/Rear Blend Control to make your rear speakers sound like woofers. Of course, the basics that make Pioneer #1 are all here: Supertuner III for unbeatable FM in the city or country, high power to let you hear the music above wind and road noise, and Pioneer's proven durability. The auto-reverse cassette section includes Dolby B so your tapes will always sound quiet and clean. The Radio Intercept feature automatically plays the radio while a cassette is rewinding or advancing.

Item #130KEH9898 List Price: \$412

YOUR LOW PRICE: \$299

Pioneer KEH-5200

From the company that "pioneered" detachable-face security comes the KEH-5200, their most affordable model with this effective and convenient method of theft prevention. The control face is so small and light that there's no reason not to carry it with you when you park. The KEH-5200 offers fine cassette performance, with auto-reverse, Dolby B, and Music Search. With Pioneer's classic Supertuner III design you can count on outstanding FM. The handy Radio Intercept feature automatically switches the source to radio while a cassette rewinds. Controlling the 4 speaker outputs and set of preamp outputs is a very flexible fader. You get pinpoint front-to-back control with or without an added amp.

Item #130KEH5200 List Price: \$432

YOUR LOW PRICE: \$299

JVC KS-RG9**Special Purchase!**

For those of you who value good, old-fashioned tape and tuner excellence, JVC's KS-RG9 is the bargain of the year. Its full-logic auto-reverse transport delivers home deck performance and convenience, with Multi Music Scan with Blank Skip, Intro Scan for a quick sample of each song, auto tape EQ selector, Dolby B & C, and a narrow-gap Sen-Alloy tape head. The tuner uses JVC's finest High Sensitivity circuitry, with 24 presets and Preset Scan. It can even decode FMX broadcasts. The KS-RG9 has plenty of on-board power, with 12 watts/channel for the rear and 3 watts/channel for front speakers. The removable chassis puts theft prevention in your hands. Optional carry bag #227CSC1 \$19.

Item #105KSRG9 List Price: \$550 **SPECIAL PURCHASE PRICE: \$299** *Supplies Limited*



Size I&E
Depth 6 7/8"
Slide Out

Features: Removable chassis, high power, High Sensitivity tuner, 18 FM & 6 AM presets with Preset Scan, Automatic Radio Play, full-logic auto-reverse, Sen-Alloy tape head, Dolby B & C, Multi Music Scan with Blank Skip, Intro Scan, auto tape EQ, key-off pinchroller release, separate bass and treble, loudness, 4 speaker outputs with fader (type #5), RCA preamp inputs and outputs, switchable amber/green illumination. **Specifications:** 12 watts per channel (rear), 3 watts per channel (front), Tape Frequency Response (± 3 dB) 40-20,000 Hz, Tape Signal-to-Noise 68 dB, Wow and Flutter 0.09%, FM Sensitivity 12.1 dBf, FM Stereo Separation 35 dB. **Warranty:** 1 year. **Installation Data:** Size code "I&E" (for your car, see pages 58-67). Chassis dimensions 7 1/8"W x 2 1/16"H.

JVC KS-RG4

JVC's KS-RG4 isn't the only \$269 receiver with a pull-out chassis and CD changer controls. But it's the only one to also include so many cassette and tuner features. Like auto-reverse, Dolby B, Music Scan, and a wide-response tape head. JVC's High Sensitivity tuner really pulls in weak stations. Drive 4 speakers as is, or add an amp; the 2-way fader keeps things under control. The KS-RG4 operates JVC's 6-disc XL-MG600 changer (see below). Order both together and save even more! Optional carry bag #227CSC1 \$19.

Item #105KSRG4 List Price: \$370

NEW LOW PRICE: \$269

KS-RG4/XL-MG600 CD Changer package

Item #700G4G600 List Price: \$900

YOUR LOW PRICE: \$599

GOLD AWARD
OUTSTANDING VALUE



Size I&E
Depth 6 7/8"
Slide Out

Features: Removable chassis, CD changer controls (Disc/Track Select), high power, High Sensitivity tuner, 18 FM & 6 AM presets, seek and scan modes, auto-reverse, Dolby B, Music Scan tape search, tape EQ, separate bass and treble, loudness, 4 speaker outputs with fader (type #5), RCA preamp outputs, front panel Aux input, switchable amber/green illumination. Optional magnetic lock system #105KSU6K \$24. **Specifications:** 8 watts per channel (rear), 3 watts per channel (front), Tape Frequency Response (± 3 dB) 40-18,000 Hz, Tape Signal-to-Noise 60 dB (Dolby B), Wow and Flutter 0.10%, FM Sensitivity 12.1 dBf, FM Stereo Separation 35 dB. **Warranty:** 1 year. **Installation Data:** Size code "I&E" (for your car, please see pages 58-67). Chassis dim: 7 1/8"W x 2 1/16"H.

JVC KS-RG8

The first thing you notice about the multi-talented KS-RG8 is that it doesn't look like any other receiver in this catalog. That's a detachable control panel that you simply pop out and carry with you when you park. The multi-function soft-touch keys provide total control of JVC's advanced XL-MG600 6-disc changer. The tuner has excellent sensitivity, 24 presets, and handy Preset Scan. Cassette features include full-logic auto-reverse, Dolby B, and Multi Music Scan with Blank Skip. You have power for 4 speakers, and 2-way fading for front-to-back control with or without an amp. Save an extra \$50 by ordering the KS-RG8/XL-MG600 package!

Item #105KSRG8 List Price: \$430

YOUR LOW PRICE: \$349

KS-RG8/XL-MG600 CD Changer package

Item #700G8G600 List Price: \$960

YOUR LOW PRICE: \$649



Size I&E
Depth 6 7/8"
Slide Out

Features: Detachable face, enhanced CD changer controls, high power, High Sensitivity tuner, 18 FM & 6 AM presets with Preset Scan, full-logic auto-reverse, Dolby B, Multi-Music Scan with Blank Skip, auto tape EQ, separate bass and treble, subwoofer crossover (100 Hz) with level control, 4 speaker outputs with fader (type #5), RCA preamp outputs, switchable amber/green illumination. **Specifications:** 12 watts per channel (rear), 3 watts per channel (front), Tape Frequency Response (± 3 dB) 40-20,000 Hz, Tape Signal-to-Noise 60 dB (Dolby B), Wow and Flutter 0.09%, FM Sensitivity 12.1 dBf, FM Stereo Separation 35 dB. **Warranty:** 1 year. **Installation Data:** Size code "I&E" (for your car, please see pages 58-67). Chassis dimensions 7 1/8"W x 2 1/16"H.

DETACHABLE CONTROL FACE

JVC XL-MG600 CD Changer

JVC just made the terrific sound and convenience of car CD even more affordable. What's amazing about the 6-disc XL-MG600 is that for \$349 you're getting a very advanced changer, not a stripped-down model with last year's technology. You get JVC's proven 1-bit D/A converter, plus a 4-times oversampling digital filter. The mechanism rests in an effective anti-vibration suspension system that eliminates skips. For installation flexibility, the XL-MG600 can be mounted horizontally or vertically. The CD controller you choose will determine how many of the XL-MG600's features you'll be able to use. The KS-RG4 has direct disc select and track skip; the KS-RG8 adds two Random Play modes and Repeat.

Item #105XLMG600 List Price: \$530 **NEW LOW PRICE: \$349**

Extra 6-disc Magazine #111XCM75 \$16

Features: 6-disc changer controllable with JVC KS-RG4/KS-RG8 receivers, 1-bit D/A converter, 4-times oversampling digital filter, anti-vibration suspension, horizontal or vertical mounting. **Specifications:** CD Frequency Response 5-20,000 Hz, CD Signal-to-Noise 98 dB. Dimensions: 12 3/8"W x 3 3/8"H x 7 7/8"D. **Warranty:** 1 year.

GOLD AWARD
OUTSTANDING VALUE





Size
I&E

Depth
6 1/2"

Slide
Out

Features: Removable chassis, CD changer controls including 32-track programming, high power, quartz synthesis Supertuner III, 18 FM & 6 AM presets with Preset Scan, auto-reverse, key-off pinchroller release, separate bass and treble, loudness, 4 speaker outputs with fader (type #4), RCA preamp outputs, night illumination. **Specifications:** 10 watts per channel, Tape Frequency Response (± 3 dB) 40-14,000 Hz, Tape Signal-to-Noise 55 dB, FM Sensitivity 11 dBf, FM Stereo Separation 40 dB. **Warranty:** 1 year. **Installation Data:** Size code "I&E" (for your car, please see pages 58-67). Chassis dimensions 7"W x 2"H.



Size
E

Depth
6 3/4"

Features: Detachable face, CD changer controls including 32-track programming, high power, quartz synthesis Supertuner III, 18 FM & 6 AM presets with Preset Scan, auto-reverse, 4 speaker outputs with fader (type #5), RCA preamp outputs, clock, night illumination. KEH-M7200 adds Dolby B, tape Music Search, fader EQ, 2 sets of RCA preamp outputs and dual illumination. **Specifications:** 10 watts per channel, Tape Frequency Response (± 3 dB) 40-14k Hz (40-17k for KEH-M7200), Tape Signal-to-Noise 52 dB (63 dB for KEH-M7200), Wow and Flutter 0.13%, FM Sensitivity 11 dBf, FM Stereo Separation 40 dB. **Warranty:** 1 year. **Installation Data:** Size code "E" (for your car, please see pages 58-67). Chassis dimensions 7 1/4"W x 2 1/4"H.



Size
E

Depth
6 3/4"

Features: Detachable face, CD changer controls including 32-track programming, wireless remote control, high power, quartz synthesis Supertuner III, 18 FM & 6 AM presets with Preset Scan, full-logic auto-reverse, Dolby B & C, tape Music Search, Blank Skip, automatic tape EQ selector, separate bass and treble, 4 speaker outputs with fader (type #5/#2), 2 sets of RCA preamp outputs, clock, switchable amber/green illumination. **Specifications:** 10 watts per channel, Tape Frequency Response (± 3 dB) 30-19,000 Hz, Tape Signal-to-Noise 71 dB (Dolby C), Wow and Flutter 0.08%, FM Sensitivity 11 dBf, FM Stereo Separation 40 dB. **Warranty:** 1 year. **Installation Data:** Size code "E" (for your car, please see pages 58-67). Chassis dimensions 7 1/4"W x 2 1/4"H.



Features: (CDX-M40) 6-disc changer, 1-bit D/A converter, 8-times oversampling digital filter, Double Floating Anti Vibration Design, horizontal or vertical mounting. (DEX-M400) CD changer controller (Disc/Track Select, Random Play, multi-magazine programming), wireless remote control, separate bass and treble, loudness, 2 sets of RCA preamp outputs with dual amp balancer fader (type #2), RCA preamp inputs, clock, night illumination. (GEX-T70) tuner module (controlled by DEX-M400), Supertuner IV, 18 FM & 6 AM presets with Preset Scan. **Specifications:** (CDX-M40) CD Frequency Response (± 1 dB) 5-20,000 Hz, CD Signal-to-Noise 97 dB. Dimensions 7 1/4"W x 3 1/4"H x 1 1/4"D. (DEX-M400) Dimensions: (display unit) 5 3/4"W x 1 1/4"H x 3/8"D; (hideaway module) 7"W x 1 1/4"H x 6 3/4"D. (GEX-T70) FM Sensitivity 7 dBf. Dimensions: 7"W x 1 1/4"H x 5 1/4"D. **Warranty:** 1 year.



Optional tuner module

Pioneer KEH-M3000QR

The KEH-M3000QR is one of our most affordable cassette receivers with CD changer controls. With Pioneer's CDX-M40 6-disc changer (see below) mounted safe and secure in your trunk, you can use the KEH-M3000QR's dual-function controls to select any specific disc or track and even program up to 32 tracks for playback in any order you like. Its display keeps you informed of operating status and which disc and track you're listening to. As if this wasn't enough, you also get Supertuner III FM and Pioneer's reliable auto-reverse cassette mechanism. The KEH-M3000QR is removable, for peace of mind you can carry with you. Optional carry bag #227CSC1, \$19.

Item #130KEHM300 List Price: \$396

YOUR LOW PRICE: \$279

Pioneer KEH-M6200 / KEH-M7200

The KEH-M6200 re-packages the tape, tuner and CD changer control features of the KEH-M3000QR (above) in a sleek, rounded design complete with detachable control face. Compared to a removable chassis, a detachable face means less to carry with you when you park, and less overall wear and tear on the unit. The KEH-M6200 has built-in high power and a flexible speaker/preamp fader. The KEH-M7200 offers many more cassette features (like Dolby B and Music Search), and nearly endless power options with 2 sets of fader-controlled RCA outputs.

Item #130KEHM620 List Price: \$444 (pictured)

YOUR LOW PRICE: \$299

Item #130KEHM720 List Price: \$492

YOUR LOW PRICE: \$349

Pioneer KEH-M8200

Pioneer's top-of-the-line KEH-M8200 has everything you want in a high-end cassette receiver. It starts with reliable, road-proven Supertuner III circuitry. You also get Pioneer's best cassette section ever. You'll hear detail from your tapes that you never knew was there, thanks to the ultra-wide frequency response and Dolby B & C. When combined with the CDX-M40 below, CD controls include Disc/Track Select and Repeat, Random Play and programming for up to 16 6-disc magazines (32 tracks per magazine). The detachable control face puts security in the palm of your hand. Finally, switchable illumination is included to match the instrument clusters in more dashboards.

Item #130KEHM820 List Price: \$612

YOUR LOW PRICE: \$449

Pioneer CDX-M40 / DEX-M400

The CDX-M40 6-disc changer can be controlled through any of the Pioneer cassette receivers on this page, or through the DEX-400 preamp/controller. The DEX-400 also controls the GEX-T70 tuner module, which includes all-new Supertuner IV circuitry. Along with 2 sets of preamp outputs with fading, the DEX-400 also includes preamp inputs, making it a great add-on to existing systems. If your receiver lacks RCA outputs (like most factory units), just use an adapter (see pg. 7).

6-disc Changer Item #130CDXM40

List Price: \$552 **YOUR LOW PRICE: \$399**

Controller Item #130DEXM400

List Price: \$290 **YOUR LOW PRICE: \$219**

Tuner Module Item #130GEXT70

List Price: \$280 **YOUR LOW PRICE: \$199**

Extra 6-disc Magazine Item #130JDM300 \$10

Sony XR-7070

The XR-7070 has the features, flexibility, and price tag a lot of people have been waiting for. Alone, it provides excellent cassette and tuner performance, 4-channel high power, and slide-out chassis security. But its dual-function buttons can also control a Sony CD changer (see page 26). Select a specific disc or track, or let the changer decide playback order in Shuffle mode. Whether you decide to add CD now or later, the XR-7070's 4-channel power delivers satisfying volume without adding amps. Tape features include auto-reverse, Dolby B, and AMS tape search. The tuner has 24 presets and preset Memory Scan. Optional carry bag #227CSC1, \$19.

Item #158XR7070 List Price: \$420

YOUR LOW PRICE: \$349

Sony XR-7280 / XR-7180

With 4-speaker power, complete tape and tuner features, controls for a Sony CD changer (see p. 26), and a removable chassis, it's no wonder the XR-7280 was recently top-rated by a leading consumer magazine. Full-logic auto-reverse and Dolby B & C will really enhance all that great music you have on cassettes. And songs are easy to find, with AMS tape search, Blank Skip, and song-sampling Intro Scan. The tuner is one of Sony's best designs, with 24 station presets. The XR-7180 shares all this tape and tuner excellence, but lacks CD changer controls.

Item #158XR7280 List Price: \$600 (pictured)

YOUR LOW PRICE: \$499

XR-7180 (lacks CD changer controls)

Item #158XR7180 List Price: \$500

YOUR LOW PRICE: \$399

Sony XR-7600 Cassette/Tuner

At Sony, the best just keeps getting better. Their latest flagship head unit includes dual-antenna Diversity Tuning, for astonishing reception using two antennas, and merely excellent performance using one. The XR-7600's dual-function controls operate Sony's CD changers (see page 26). When you slide in a tape you'd better hold on: Sony's Super Laminated tape head delivers the full audio bandwidth—20-20,000 Hz—while Dolby B & C eliminate tape hiss. The wireless remote lets you keep your eyes on the road and still have total control at your fingertips. The removable XR-7600 is a preamp deck; amplifier(s) required. Optional carry bag #227CSC1, \$19.

Item #158XR7600 List Price: \$600

YOUR LOW PRICE: \$499



Sony XTC-100 Tuner/Amplifier

Once people discover the pleasures of CD, they often just stop listening to cassettes. So here's a head unit with CD changer controls, a tuner, and 4-channel power. Pairing the XTC-100 with a Sony 10-disc changer (see page 26) gives you an incredible amount of sonic performance for the money. Because the XTC-100's chassis has no cassette mechanism, there's room for a built-in 4-channel amp with real guts. Power output is an honest 20 watts x 4! The top-notch tuner offers 18 station memories with Memory Scan. The XTC-100 handles theft-prevention with a convenient detachable control face.

Item #158XTC100 List Price: \$370

YOUR LOW PRICE: \$299



Size
I&E

Depth
6"

Slide
Out

Features: Removable chassis, CD changer controls (Disc/Track Select, random Shuffle Play), 4-channel high power, quartz synthesis seek tuning with Sony Super Interference Rejection, 18 FM & 6 AM presets with preset Memory Scan, auto-reverse, Dolby B, AMS tape search, tape EQ, key-off pinchroller release, separate bass and treble, loudness, 4 speaker outputs with fader (type #5), RCA preamp outputs, switchable amber/green illumination. **Specifications:** 13 watts x 4, Tape Frequency Response (± 3 dB) 30-18,000 Hz, Tape Signal-to-Noise 66 dB (Dolby B), Wow and Flutter 0.13%, FM Sensitivity 12 dBf, FM Stereo Separation 35 dB. **Warranty:** 1 year. **Installation Data:** Size code "I&E" (for your car, please see pages 58-67). Chassis dimensions 7 $\frac{1}{8}$ "W x 2 $\frac{1}{4}$ "H.



Size
I&E

Depth
6"

Slide
Out

Features: Removable chassis, CD changer controls (Disc/Track Select, Intro Scan, random Shuffle Play, Repeat), high power, quartz synthesis seek tuning with Sony Super Interference Rejection, 18 FM & 6 AM presets with preset Memory Scan, auto-reverse, Dolby B & C, tape EQ, AMS tape search, Blank Skip, loudness, 4 speaker outputs with fader (type #5), RCA preamp outputs, switchable dual illumination. **XR-7180 lacks CD changer controls.** **Specifications:** 14 watts per channel, Tape Freq. Resp. (± 3 dB) 30-18,000 Hz, Tape Signal-to-Noise 76 dB (Dolby C), Wow and Flutter 0.10%, FM Sensitivity 12 dBf, FM Stereo Separation 35 dB. **Warr:** 1 year. **Installation Data:** Size code "I&E" (for your car, please see pages 58-67). Chassis dimensions 7 $\frac{1}{8}$ "W x 2 $\frac{1}{4}$ "H.



Size
I&E

Depth
6"

Slide
Out

Features: Removable chassis, CD changer controls (Disc/Track Select, Intro Scan, random Shuffle Play, Repeat), dual-antenna Diversity Tuning System, 18 FM & 6 AM presets with preset Memory Scan, full-logic 2-motor auto-reverse, Super Laminated tape head, Dolby B & C, 9-song multi-track search, Intro Scan, Blank Skip, Repeat, tape EQ, separate bass and treble, 2 sets of RCA preamp outputs with dual amp balancer (type #2), switchable amber/green illumination. **Specifications:** Tape Frequency Response (± 3 dB) 20-20,000 Hz, Tape Signal-to-Noise 76 dB (Dolby C), Wow and Flutter 0.09%, FM Sensitivity 12 dBf, FM Stereo Separation 35 dB. **Warranty:** 1 year. **Installation Data:** Size code "I&E" (for your car, please see pages 58-67). Chassis dimensions 7 $\frac{1}{8}$ "W x 2 $\frac{1}{4}$ "H.

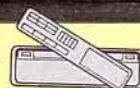


Size
I&E

Depth
5 $\frac{3}{4}$ "

Slide
Out

Features: Detachable face, CD changer controls (Disc/Track Select, Intro Scan, Repeat, random Shuffle Play), 4-channel high power, quartz synthesis seek tuning with Sony Super Interference Rejection, 12 FM & 6 AM presets with preset Memory Scan, 4-channel preamp out/main amp in loop with preamp fader (type #5/2), front panel Walkman input, clock, switchable amber/green illumination. **Specifications:** 20 watts x 4, FM Sensitivity 12 dBf, FM Stereo Separation 35 dB. **Warranty:** 1 year. **Installation Data:** Size code "I&E" (for your car, please see pages 58-67). Chassis dim: 7 $\frac{1}{16}$ "W x 2 $\frac{1}{4}$ "H.



DETACHABLE
CONTROL FACE



Size
I&E
Depth
6 1/4"
Slide
Out

Features: Removable chassis, CD changer controls (disc/track select), high power, quartz synthesis seek tuning, 12 FM & 6 AM presets with Preset Scan, auto-reverse, tape EQ, separate bass and treble, loudness, 4 speaker outputs with fader (type #5), RCA preamp outputs, night illumination. KRC-630 adds Dolby B and Tape Advance Music Search.

Specifications: 15 watts per channel, Tape Frequency Response (± 3 dB) 30-16,000 Hz, Tape Signal-to-Noise 54 dB (63 dB for KRC-630-Dolby B), Wow and Flutter 0.12%, FM Sensitivity 12 dBf, FM Stereo Separation 40 dB. **Warranty:** 1 year. **Installation Data:** Size code "I&E", "I" requires kit #113CK60A, \$24 (for your car, please see pages 58-67). Chassis dimensions 7 1/16" W x 2 1/16" H.



Size
I&E
Depth
6 1/4"
Slide
Out

Features: Removable chassis, CD changer controls, high power, quartz synthesis seek tuning, 16 FM & 8 AM presets, auto-reverse, Dolby B & C, Tape Advance tape search, tape EQ, key-off pinchroller release, separate bass and treble, loudness, 4 speaker outputs with fader/dual amp balancer (type #5/#2), 2 sets of RCA preamp outputs, switchable amber/green illumination. **Specifications:** 15 watts per channel, Tape Frequency Response (± 3 dB) 30-18,000 Hz, Tape Signal-to-Noise 71 dB (Dolby C), Wow and Flutter 0.12%, FM Sensitivity 12 dBf, FM Stereo Separation 40 dB. **Warranty:** 1 year. **Installation Data:** Size code "I&E", "I" requires kit #113CK60A, \$24 (for your car, please see pages 58-67). Chassis dimensions 7 1/16" W x 2 1/16" H.



Size
I&E
Depth
6 1/4"
Slide
Out

Features: Removable chassis, CD changer controls, high power, quartz synthesis seek tuning, 16 FM & 8 AM presets, full-logic auto-reverse, Dolby B & C, programmable tape search, Index Scan, Repeat, Blank Skip, automatic tape EQ, key-off pinchroller release, separate bass and treble, 4 speaker outputs with fader (type #5), RCA preamp outputs, valet code security, clock, switchable amber/green illumination. **Specifications:** 15 watts per channel, Tape Frequency Response (± 3 dB) 30-20,000 Hz, Tape Signal-to-Noise 65 dB (Dolby B), Wow and Flutter 0.09%, FM Sensitivity 12 dBf, FM Stereo Separation 40 dB. **Warranty:** 1 year. **Installation Data:** Size code "I&E", "I" requires kit #113CK60A, \$24 (for your car, please see pages 58-67). Chassis dimensions 7 1/16" W x 2 1/16" H.



Size
I&E
Depth
6 1/4"
Slide
Out

Features: Removable chassis, full CD changer controls, 20 FM & 10 AM presets, full-logic auto-reverse, Dolby B & C, programmable tape search, Index Scan, Blank Skip, auto tape EQ, key-off pinchroller release, 2 sets of RCA preamp outputs with dual amp balancer (type #2), phone interrupt interface, switchable amber/green illumination, optional remote control. **Specifications:** Tape Frequency Response (± 3 dB) 30-21,000 Hz, Tape Signal-to-Noise 73 dB (Dolby C), Wow and Flutter 0.08%, FM Sensitivity 12 dBf, FM Stereo Separation 40 dB. **Warranty:** 1 year. **Installation Data:** Size code "I&E", "I" requires kit #113CK60A, \$24 (for your car, please see pages 58-67). Chassis dimensions 7 1/16" W x 2 1/16" H.

Kenwood KRC-530 / KRC-630

You're probably as amazed as we are at a Kenwood pull-out receiver with built-in high power and CD changer controls for only \$329. With the KRC-530 or KRC-630 connected to a Kenwood 10-disc changer (see page 25), you can select the specific disc or track you want, instantly. If you're planning to add a CD changer later, both of these models still offer fine tape and tuner performance for now. The FM section is one of Kenwood's best, while the tape deck uses a sturdy auto-reverse mechanism. The KRC-630 adds Dolby B and Tape Advance music search. Optional carry bag #227CSC1, \$19.

Item #113KRC530 List Price: \$399 (pictured)

YOUR LOW PRICE: \$329

Item #113KRC630 List Price: \$439

YOUR LOW PRICE: \$349

Kenwood KRC-730

One of the biggest benefits of moving up to the KRC-730 is more complete control of a compatible Kenwood CD changer (see page 25). You can repeat your favorite track or disc, or let the changer choose playback sequence in Random Play mode. Although cassettes never sound as crisp and clean as CD, the KRC-730 comes close, with response out to 18,000 Hz and Dolby B & C to kill tape hiss. Along with 24 memory presets, the tuner has nifty extras like Tuner Call, which lets you catch a few minutes of music or news on the radio while your cassette rewinds. There's built-in high power, with a fader that controls the speaker outputs as well as both sets of preamp outputs. All this in a pull-out chassis you can carry with you.

Item #113KRC730 List Price: \$499

YOUR LOW PRICE: \$399

Kenwood KRC-830

The KRC-830 uses Kenwood's remarkably smooth and quiet CX-100 auto-reverse mechanism. It's a full-logic, 2-motor design that uses 40% fewer parts than conventional transports for greater dependability and durability. Conveniences include programmable tape search, Index Scan, Blank Skip and Repeat. The tuner is Kenwood's finest, with 24 presets and Tuner Call. But the best news is that when you add a Kenwood CD changer (see page 25) you have total control through the KRC-830! You get 15 watts per channel to drive 2 or 4 speakers. And the fader controls speaker and preamp outputs. The pull-out chassis lets you park with peace of mind. Optional carry bag #227CSC1, \$19.

Item #113KRC830 List Price: \$559

YOUR LOW PRICE: \$449

Kenwood KRC-930

Kenwood's finest cassette receiver is a real triple threat, with superb cassette and tuner performance, plus complete controls for operating a Kenwood CD changer (see page 25). And total control can be the palm of your hand with the optional wireless remote. Kenwood's best tape section is an engineering marvel, with flat response to 21,000 Hz, Dolby B & C, programmable tape search, and a full-logic auto-reverse mechanism. The KRC-930 is so packed with tape and tuner technology that there wasn't room for an amplifier. Hook up one or more quality amps and get ready for audio realism that will blow your mind. The removable chassis is icing on the cake. Optional carry bag #227CSC1, \$19.

Item #113KRC930 List Price: \$599

YOUR LOW PRICE: \$499

Optional wireless remote Item #113KCAR2 \$59

JVC XL-G2000

What you just heard was the shattering of another price barrier. There are plenty of good cassette receivers around for \$299, but not one can begin to match the musical clarity and split-second CD convenience of JVC's breakthrough XL-G2000. With features like Direct Track Access, Random Play, Track Repeat, and Intro Scan, you can hear your discs any way you like, and they'll always sound terrific thanks to a 4-times oversampling digital filter and an effective anti-vibration system. JVC's "half-sealed" CD cartridge combines the ease of direct loading with the stability of cartridges. The XL-G2000 has built-in power for 2 speakers, plus preamp outputs and a speaker/preamp fader.

Item #105XLG2000 List Price: \$380

YOUR LOW PRICE: \$299

JVC XL-G3500

JVC's popular XL-G3500 offers spectacular CD sound with 4-channel high power for under \$400! It's high performance all the way, with dual "1-bit" digital-to-analog converters, a design that other companies are only now catching up with. You simply won't believe your ears. Enjoy Direct Track Access, Random Play, Track Repeat, and all the other features that make cassettes obsolete. The tuner's hot too, with great sensitivity and 20 station presets. If you want more volume than the included 4-channel amp provides, the XL-G3500's dual preamp outputs let you hook up the amp(s) of your choice. Removable chassis for security. Optional carry bag #227CSC1, \$19.

Item #105XLG3500 List Price: \$500

YOUR LOW PRICE: \$399

Pioneer DEH-660

Here's one of the best reasons yet to take CD on the road. It's all here: CD player, AM/FM tuner, and amplifier in one easy-to-install chassis. Pioneer's in-dash players are famous for being rugged, and this one is no exception. CD sound is even more detailed and dynamic than before, thanks to Pioneer's latest 1-bit D/A converter with an 8-times oversampling digital filter. And CDs are so easy; finding songs takes seconds, instead of minutes. Conveniences include Track/Disc Repeat and Random Play. And of course you get quartz-locked Supertuner III with 24 presets and Preset Scan. Drive 2 speakers as is, or hook up an amp (or two) to the two sets of fader-controlled preamp outputs.

Item #130DEH660 List Price: \$552

YOUR LOW PRICE: \$399

Pioneer DEH-760/DEH-770

Once you've heard how good CDs can sound in your car, you'll never want to risk having your player stolen. That's the thinking behind the detachable control face of these new Pioneers. Just place it in the supplied carry case and bring it with you whenever you park. CD playback quality is absolutely superb thanks to an all-new 1-bit D/A converter with 8-times oversampling digital filter. The tuner section is Pioneer's ever-excellent Supertuner III. Two-speaker power is built-in, along with 2 sets of preamp outputs, also controlled by the fader. The DEH-770 adds wireless remote control.

Item #130DEH760 List Price: \$588

YOUR LOW PRICE: \$429

Item #130DEH770 List Price: \$612 (pictured)

YOUR LOW PRICE: \$449



Size
E

Depth
6 1/2"

Features: Single-chassis CD/receiver, high power, 4-times oversampling digital filter, Repeat, Random Play, Intro Scan, quartz synthesis tuner with seek and scan, 18 FM & 6 AM presets, separate bass and treble, 2 speaker outputs with fader (type #3), RCA preamp outputs, night illumination. **Specifications:** 8 watts per channel, CD Frequency Response 5-20,000 Hz, CD Signal-to-Noise 95 dB, FM Sensitivity 15.3 dBf, FM Stereo Separation 35 dB. **Warranty:** 1 year. **Installation Data:** Size code "E" (for your car, please see pages 58-67). Chassis dimensions 7 1/16"W x 2 1/16"H.



Size
I&E

Depth
6 1/2"

Slide
Out

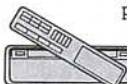
Features: CD receiver with 4-channel high power (separate amp/tuner module), removable chassis, 4-times oversampling digital filter, dual "1-bit" DACs with noise shaping, Repeat, Random Play, Intro Scan, quartz synthesis tuner with seek and scan, 15 FM & 5 AM presets with Preset Scan, separate bass and treble, 2 pairs of RCA preamp outputs with dual amp balancer/fader (type #2), night illumination. Optional magnetic lock system #105KSU6K \$24. **Specifications:** 8 watts x 4, CD Frequency Response 5-20,000 Hz, CD Signal-to-Noise 100 dB, FM Sensitivity 12.1 dBf, FM Stereo Separation 35 dB. **Warranty:** 1 year. **Installation Data:** Size code "I&E" (for your car, please see pages 58-67). Chassis dim: 7 1/16"W x 2 1/16"H; (amp/tuner module) 7"W x 1"H x 6 1/2"D.



Size
I&E

Depth
6 3/4"

Features: Single-chassis CD receiver, high power, 1-bit D/A converter, 8-times oversampling digital filter, Random Play, Track/Disc Repeat, Highlight Scan, 3" CD compatible, Double Floating Suspension System, quartz synthesis Supertuner III, 18 FM & 6 AM presets with Preset Scan, separate bass and treble, loudness, 2 speaker outputs with fader/dual amp balancer (type #3/#2), 2 sets of RCA preamp outputs, clock, switchable amber/green illumination. **Specifications:** 10 watts per channel, CD Frequency Response (±1dB) 5-20,000 Hz, CD Signal-to-Noise 94 dB, FM Sensitivity 11 dBf, FM Stereo Separation 40 dB. **Warranty:** 1 year. **Installation Data:** Size code "I&E" (for your car, please see pages 58-67). Chassis dimensions 7 1/16"W x 2 1/4"H.



DETACHABLE
CONTROL FACE



Size
I&E

Depth
6 3/4"

Features: Single-chassis CD receiver, detachable face, high power, 1-bit D/A converter, 8-times oversampling digital filter, Track/Disc Repeat, Random Play, Highlight Scan, quartz synthesis Supertuner III, 18 FM & 6 AM presets with Preset Scan, separate bass and treble, loudness, 2 speaker outputs with fader/dual amp balancer (type #3/#2), 2 sets of RCA preamp outputs, clock, switchable amber/green illumination. DEH-770 adds wireless remote control. **Specs:** 10 watts per channel, CD Frequency Response (±1dB) 5-20,000 Hz, CD Signal-to-Noise 94 dB, FM Sensitivity 11 dBf, FM Stereo Separation 40 dB. **Warr:** 1 year. **Installation Data:** Size code "I&E" (for your car, please see pages 58-67). Chassis dim: 7 1/16"W x 2 1/4"H.



Size **Depth** **Features:** Single-chassis CD receiver, high power, 1-bit D/A converter, 8-times oversampling digital filter, Repeat, Random Play, Track Scan, quartz synthesis seek tuning, 16 FM & 8 AM presets, separate bass and treble, loudness, 4 speaker outputs with fader (type #5), RCA preamp outputs, clock, switchable amber/green illumination. KDC-75R adds a removable chassis but loses the clock. **Specifications:** 10 watts per channel, CD Frequency Response (± 1 dB) 5-20,000 Hz, CD Signal-to-Noise 96 dB, FM Sensitivity 12 dBf, FM Stereo Separation 40 dB. Warranty: 1 year. **Installation Data:** Size code "I&E," "I" requires kit #113CK60A, \$24 (for your car, please see pages 58-67). Chassis dimensions 7 $\frac{1}{16}$ "W x 2 $\frac{1}{16}$ "H.

Kenwood KDC-65R / KDC-75R

These handsome CD receivers use some of the most advanced digital circuitry available: a 1-bit D/A converter with an 8-times oversampling digital filter. Kenwood's Digital Pulse Axis Control reduces the timing jitter in the digital data-stream that can cause CDs to sound harsh and edgy. Kenwood's latest and greatest tuner has a special damping circuit that cuts down on strong-signal interference. Both models can power four speakers as is, and include a 2-way fader that also controls the preamp outputs. The KDC-75R adds a pull-out chassis for the security-conscious.

Item #113KDC65R List Price: \$599

YOUR LOW PRICE: \$449

Item #113KDC75R List Price: \$649 (pictured)

YOUR LOW PRICE: \$499



Size **Depth** **Slide Out** **Features:** Single-chassis CD/tuner, removable chassis, CD changer controls (Disc/Track Select and Repeat, Random Play, 20-track programming), 1-bit D/A converter, 8-times oversampling digital filter, quartz synthesis seek tuning, 16 FM & 8 AM presets, separate bass and treble, loudness, 3 sets of RCA preamp outputs with dual amp balancer fader (type #2), switchable amber/green illumination. KDC-95R adds wireless remote control. **Specifications:** CD Frequency Response (± 1 dB) 5-20,000 Hz, CD Signal-to-Noise 96 dB, FM Sensitivity 12 dBf, FM Stereo Separation 40 dB. Warranty: 1 year. **Installation Data:** Size code "I&E," "I" requires kit #113CK60A, \$24 (for your car, please see pages 58-67). Chassis dimensions 7 $\frac{1}{16}$ "W x 2 $\frac{1}{16}$ "H.

Kenwood KDC-85R / KDC-95R

When we first heard about the concept of a CD/tuner with CD changer controls, we asked each other, "Why?" Then, those of us with trunk-mounted changers remembered the times we'd wanted to play a new CD and had to pop the trunk and reload the CD magazine each time. *That's why.* So, the KDC-85R and KDC-95R let you slide a disc in any time, or access the KDC-C401 10-disc changer (see below). Both CD/tuners are preamp-only decks, so you'll want quality amplification (see p. 49 for Kenwood amps). The KDC-95R adds the luxury of wireless remote control. Optional carry bag #227CSC1, \$19.

Item #113KDC85R List Price: \$699

YOUR LOW PRICE: \$549

Item #113KDC95R List Price: \$749 (pictured)

YOUR LOW PRICE: \$599



Features: Separate remote control and display panel units for KDC-C300 and KDC-C400 10-disc changers. Controls include volume, bass and treble, balance and fader/dual amp balancer (type #2), Disc/Track Select. Hideaway module has 2 sets of RCA preamp outputs and 1 set of inputs. Dimensions: (controller) 3 $\frac{3}{4}$ "W x 2 $\frac{3}{4}$ "H x $\frac{5}{8}$ "D; (display panel) 3 $\frac{3}{4}$ "W x 1 $\frac{1}{2}$ "H x $\frac{3}{4}$ "D; (hideaway module) 7 $\frac{1}{8}$ "W x 1"H x 5 $\frac{1}{2}$ "D. Warranty: 1 year.

Kenwood KCA-R20 CD Controller

This flexible preamp/controller system allows those with existing systems to join the CD changer party. If your in-dash receiver has RCA preamp outputs, you can connect them to the KCA-R20's hideaway module. If your receiver lacks preamp outputs (like most factory radios), simply order our preamp-level adapter #127SN135, \$19. Either way, you should end up with your receiver and one of Kenwood's 10-disc changers providing signals into the hideaway module, which sends the signal on to your amplifier(s). The KCA-R20's wireless remote commander handles not only disc/track selection, but also volume, bass and treble, and fader control of the 2 sets of preamp outputs. A separate display panel keeps you informed.

Item #113KCAR20 List Price: \$249

YOUR LOW PRICE: \$199

Kenwood KDC-C401 CD Changer **NEW**

The CD changer has done more to make time in the car enjoyable than anything since air conditioning. With a fully-loaded 10-disc magazine, you might have 100 songs or more to choose from, all accessible within seconds by touching a few buttons. Kenwood's cassette receivers from the KRC-530 on up can control these changers. Or you can use the KDC-85R or KDC-95R CD/tuners or the KCA-R20 controller described above. For their best CD changer, Kenwood uses four 1-bit D/A converters (two per channel) and an 8-times oversampling digital filter. With the KDC-C401 in your system, you'll want to just keep on driving.

Item #113KDCC401 List Price: \$599 **YOUR LOW PRICE: \$449**

Extra 10-disc Magazine Item #113KCAM100 \$32

Features: 10-disc changer controllable with Kenwood KRC-930/830/730/630/530, KDC-95R/85R (see above), and KCA-R20 remote commander, 4 1-bit D/A converters, 8-times oversampling digital filter, anti-jitter Digital Pulse Axis Control, 3-beam laser pickup with Optimum Servo Control, anti-vibration suspension, horizontal or vertical mounting, key-off Pause. **Specifications:** CD Frequency Response (± 1 dB) 3-20,000 Hz, CD Signal-to-Noise 100 dB. Warranty: 1 year. Dimensions: 11 $\frac{1}{8}$ "W x 4"H x 8 $\frac{1}{4}$ "D.



Sony CDX-7560 CD/Tuner

If you've already decided that your CD system needs the punch of a separate amplifier (see pages 49-51), the CDX-7560 gives you Sony digital technology without wasting money on power you won't use. Dual D/A converters and an 8-times oversampling digital filter combine for top-notch sound. CD conveniences include Disc/Track Repeat, Intro Scan for a brief sample of each song, and Shuffle Play. The tuner uses Sony's latest interference rejection circuitry and has 24 presets with Preset Scan. The CDX-7560 has a removable chassis you can pull out and carry with you whenever you park. Amplifier(s) required. Optional carry bag #227CSC1, \$19.

Item #158CDX7560 List Price: \$500

NEW LOW PRICE: \$349

Sony CDX-5040 / CDX-5080

These two Sonys make installing a CD player in your car as easy as installing an ordinary receiver. There are no extra modules and, thanks to built-in high power, you don't even have to add an amplifier for 2- or 4-speaker sound. Sony's advanced CD technology includes an 8-times oversampling digital filter and dual 18-bit D/A converters. The tuner provides 24 station presets and handy preset Memory Scan. You can still listen to cassettes by plugging your Walkman into the front panel jack. The CDX-5080 adds removable-chassis security. While supplies last, both models come with 2 free jazz sampler CDs.

Item #700CDX5040 List Price: \$500 (pictured)

YOUR LOW PRICE: \$399

Item #700CDX5080 List Price: \$550

YOUR LOW PRICE: \$449

Sony RM-X12A/RM-X2 Controllers

The RM-X12A controller acts as a bridge between receivers with RCA preamp inputs and Sony's CDX-A15 & CDX-A100 changers. Its wireless commander provides all the disc access features you'll ever need, while the separate LCD panel displays disc/track information. The DIN-sized RM-X2 is more of a complete system control center. Besides complete CD functions including 10-key direct access and 10-track programming, you have volume, bass and treble, and fader control. When used with the XT-30 tuner module, the RM-X2 provides station scanning and access to 20 station presets. Its hideaway sub-chassis has inputs for the CD changer, XT-30, and an auxiliary signal source, plus outputs for 2 power amps.

Item #158RMX12A List Price: \$200

YOUR LOW PRICE: \$159

Item #158RMX2 List Price: \$260

YOUR LOW PRICE: \$199

Tuner module Item #158XT30 (not pictured)

List Price: \$200 **YOUR LOW PRICE: \$159**

Sony CDX-A15 / CDX-A100 CD Changers

With these two systems, more people than ever can enjoy the performance, convenience, and security of a CD changer. The CDX-A15 is the affordable ticket to a 10-disc system; a flexible design that can be mounted horizontally or vertically. Demanding audiophiles will want the CDX-A100, with Sony's latest digital circuitry and a sealed cabinet with an airtight door. Both models use the same 10-disc magazine as Sony's home changers. Both can be directly controlled by Sony's XR-7600/-7280/-7070 and XTC-100 receivers, or RM-X2 and RM-X12A controllers.

Item #158CDXA15 List Price: \$500 **YOUR LOW PRICE: \$399**

Item #158CDXA100 List Price: \$850 **YOUR LOW PRICE: \$699**



Size
E Depth
6 1/8" Slide
Out

Features: Single-chassis CD/tuner, removable chassis, dual 16-bit D/A converters, 8-times oversampling digital filter, Disc/Track Repeat, Intro Scan, random Shuffle Play, 3" CD compatible, quartz synthesis tuner with Sony Super Interference Rejection, 18 FM & 6 AM presets with Preset Scan, separate bass and treble, 2 sets of RCA preamp outputs with dual amp balancer/fader (type #2), dual illumination. **Specifications:** CD Frequency Response (± 1 dB) 10-20,000 Hz, CD Signal-to-Noise 90 dB, FM Sensitivity 12 dBf, FM Stereo Separation 35 dB. Warranty: 1 year. **Installation Data:** Size code "E" (for your car, please see pages 58-67). Chassis dim: 7 1/16"W x 2 1/16"H.



Size
I&E Depth
6 1/2"

Features: Single-chassis CD receiver, high power, dual 18-bit D/A converters, 8-times oversampling digital filter, Disc/Track Repeat, Intro Scan, random Shuffle Play, 3" CD compatible, quartz synthesis tuner with Sony Super Interference Rejection, 18 FM & 6 AM presets with Preset Scan, separate bass and treble, front panel Walkman input, 4 speaker outputs with fader (type #5/#2), 2 sets of RCA preamp outputs, switchable amber/green illumination. CDX-5080 adds removable chassis. **Specifications:** 10 watts per channel, CD Frequency Response (± 1 dB) 10-20,000 Hz, CD Signal-to-Noise 90 dB, FM Sensitivity 12 dBf, FM Stereo Separation 35 dB. Warranty: 1 year. **Installation Data:** Size code "I&E" ("E" for CDX-5080) (for your car, please see pages 58-67). Chassis dimensions 7 1/16"W x 2 1/16"H.

Size
I&E

Features: (RM-X12A) wireless CD changer controller with separate display panel, Disc/Track select, Intro Scan, random Shuffle Play, Repeat, Pause, On/Off, includes flush-mount kit for display unit; (RM-X2) wired preamp/controller handles CD changer and XT-30 tuner module, 10-key direct Disc/Track access, 10-track programming, random Shuffle Play, bass and treble, volume, 2 sets of RCA preamp outputs with dual amp balancer/fader (type #2), auxiliary input, station scanning and 20 AM/FM presets when used with XT-30. RM-X12A dim: (controller) 2 3/4"W x 4 3/4"H x 1 1/4"D, (display unit) 4"W x 1 1/2"H x 1 1/4"D, (hideaway unit) 3 3/4"W x 1 1/4"H x 4 3/4"D. RM-X2 is size code "I&E". RM-X2 dim: (controller) 7"W x 1 1/4"H x 1"D, (hideaway unit) 7 1/4"W x 1"H x 5 3/4"D. Warranty: 1 year.



Features: 10-disc changer controllable with Sony XR-7500/7280/7070, XTC-100, and RM-X2 & RM-X12A remote commanders, dual 16-bit D/A converters, 4-times oversampling digital filter, oil/spring damper suspension system. CDX-A100 has dual 18-bit D/A converters, 8-times oversampling, 45-bit noise shaping circuitry, and a sealed cabinet with airtight door. **Specifications:** CD Frequency Response (± 1 dB) 5-20,000 Hz, CD Signal-to-Noise 93 dB (105 dB for CDX-A100). Dimensions: (CDX-A15) 12"W x 4"H x 8 3/4"D; (CDX-A100) 12 3/4"W x 4 3/4"H x 9 1/2"D. Warranty: 1 year.

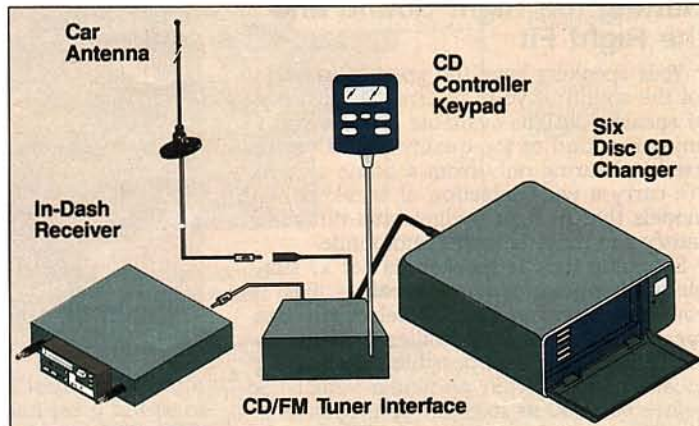
Consumer Tip

Adding a CD Changer to Your Factory Stereo

Probably the most effective upgrade for any factory stereo is the addition of a CD changer. There are several ways to accomplish it. If your car is listed in the chart on page 7, we have complete adapter kits available that allow you choose a high-performance Pioneer, Sony, Kenwood, or JVC changer, rather than having to pay an inflated car-dealer price. And the sound quality is terrific because our adapters provide a very clean preamp-level connection that maintains the full frequency response of CD (20-20,000 Hz).

If your car does not have a CD-compatible stereo, the changer systems below offer excellent sound and straightforward installation. The key component is the FM modulator that connects in-line between your car antenna and the antenna input of your in-dash receiver. The CD signal is fed in over one of two selectable frequencies (88.3 or 88.7 MHz, for example). Just tune to that frequency on the FM dial to listen to CD.

Although the frequency response of the tuner section is limited to 15,000 Hz at the top, sound quality is very clean. You can still use your factory radio and/or cassette player, but after hearing CD, you won't want to.



You can add a CD changer to your factory stereo through the FM antenna input.

Pioneer CDX-FM45 CD Changer

There's no need to scrap your entire system in order to enjoy CD sound in your car. For just \$499, you can add Pioneer's versatile CDX-FM45 to nearly any car stereo system through the supplied antenna adapter. Just tune to one of two available frequencies (89.1 or 89.5 MHz) and let this 6-disc changer massage your ears with hours of uninterrupted CD listening. The changer and hideaway FM modulator unit mount anywhere (horizontally or vertically), so they can be safely hidden from view. And with the wired remote control, you'll enjoy conveniences that include power On/Off, Repeat, and Random Play.

Item #130CDXFM45 List Price: \$672 **YOUR LOW PRICE: \$499**

Features: 6-disc changer, 1-bit D/A converter, 8-times oversampling digital filter, Double Floating Anti Vibration Design, horizontal or vertical mounting; separate FM modulator with channel selector (89.1 or 89.5 MHz); wired remote has Disc/Track select, Repeat, Random Play, Power On/Off; 6-disc magazine compatible with Pioneer home changers (except JD-M6). Dim: (changer) 7 1/4"W x 3"H x 1 1/8"D; (hideaway unit) 6 1/4"W x 1 1/4"H x 3 3/4"D; (controller) 2 1/2"W x 2 1/2"H x 3/8"D. Warr: 1 year.



Sony CDX-A15RF / CDX-A40RF CD Changers

The 10-disc CDX-A15RF offers more music for your money, and makes an excellent upgrade to many factory systems. Connecting conveniently through a supplied antenna adapter, the CDX-A15RF sends the audio signal through the FM section (88.3 or 88.7 MHz) of your car stereo. It includes dual D/A converters and a 4-times oversampling digital filter. A wired remote, roughly the size of a credit card, handles disc/track selection, On/Off, and Pause controls. This surprisingly compact changer can be positioned horizontally or vertically, so it can fit in a variety of well-concealed locations. The CDX-A40RF uses the same digital circuitry, but includes a slick wireless remote, complete with a separate display unit and flush-mounting kit (similar to the RM-X12A, see p. 26). CDX-A15RF is pictured.

Item #158CD15RF List Price: \$620 **YOUR LOW PRICE: \$499**

Item #158CD40RF List Price: \$740 **YOUR LOW PRICE: \$599**

Extra 10-disc Magazine Item #156XA10B \$29



Features: 10-disc changer, dual 16-bit D/A converters, 4-times oversampling digital filter, spring-loaded oil-damped suspension, horizontal or vertical mounting; separate FM modulator includes FM frequency channel selector (88.3 or 88.7 MHz); wired remote has Disc/Track selection, Pause, and On/Off. CDX-A40RF has a wireless remote control instead of the wired version, a separate LCD information panel, plus programmable Intro, Shuffle, and Repeat play modes. 10-disc magazine compatible with Sony home 10-disc models. Dimensions: 12"W x 4"H x 8 1/2"D. Warranty: 1 year.

Kenwood KDC-C301FM CD Changer **NEW**

Now, folks who want to hang on to their factory radios can still enjoy the pleasures of a Kenwood 10-disc changer, too. Like the changers described above, the KDC-C301FM comes with a hideaway antenna adapter that connects between your antenna and in-dash receiver. To hear the CD signal just tune to 88.3 MHz or 88.7 MHz on your FM dial. The KDC-C301FM scores points for convenience by providing a full-function wireless remote control, plus a companion LCD information panel. Just because you have a factory radio, you don't have to settle for factory sound.

Item #113KDCC301 List Price: \$749 **YOUR LOW PRICE: \$599**

Extra 10-disc Magazine Item #113KCAM100 \$32

Features: 10-disc changer, dual 16-bit D/A converters, 4-times oversampling digital filter, 3-beam laser pickup with Optimum Servo Control, anti-vibration design, horizontal or vertical mounting, key-off Pause; wireless remote control with Up/Down Track Select, Repeat, Track Scan, and Random Play; includes separate display unit and hideaway module. Dimensions: (KDC-C301FM) 11 1/2"W x 4"H x 8 1/2"D; (wireless remote) 2 3/4"W x 3 3/4"H x 3/4"D; (display unit) 3 3/4"W x 1 1/4"H x 3/4"D; (hideaway module) 5 1/2"W x 1 1/4"H x 4 3/4"D. Warranty: 1 year.



How to Choose Speakers

Getting the Right Sound and the Right Fit

Your speakers have the greatest impact on the sound of your system. The variety of speaker designs available enables you to enjoy the kind of top-quality sound you're used to hearing only from a home system. We carry a wide selection of speakers, with models that fit tight budgets and others to satisfy the most fanatical audiophile.

Shopping for car speakers is not as simple as shopping for home speakers. For your home system you can select any size speakers you like. The challenge of car audio is to get the best possible sound using speakers that fit your particular vehicle. So before you call us to order your speakers, please take a few moments and turn to our Installation Guide which begins on page 58. It contains the latest, most accurate speaker fit information you'll find anywhere. Just find your car and look across to the speaker column to see what fits.



Special Application

Along with standard speaker sizes (5¼", 6"x9", etc.), we carry 12 Special Application models: speakers designed as exact-fit, drop-in replacements for certain factory speakers. Watch for superscript numbers in the Installation Guide indicating a Special Application speaker. These models guarantee a hassle-free installation.

Our Speakers Sound Better

Speakers are unquestionably the weakest link in a factory stereo system. Instead of poly or coated paper, the woofers use cheap, thin paper. Instead of dome or horn tweeters, paper "whizzer" cone tweeters are used. The speaker magnets, which affect bass performance and efficiency, are tiny. And car manufacturers charge hundreds of dollars for systems using these speakers!

The speakers you'll find in these pages use newer materials like polypropylene which help woofers produce tighter, more accurate bass, while resisting heat, cold, moisture, and sunlight. And more and more speaker manufacturers are using tweeter materials and designs that look and sound like those found in home speakers. (JBL's tweeters, for example, use titanium for its strength and light weight). The result of this trend is speakers whose high frequencies are smoother and more life-like.

Because these high performance speakers sound so good, you'll want to turn up the volume. That's no problem because our speakers use high-quality parts—cones, magnets, voice coils—that can handle the power. If you like it loud and want a high-powered system, make sure the speakers you choose can handle the power levels they're likely to see. But keep in mind that at high volume you're much more likely to damage speakers using too little power, than you are using too much clean power. Checking the Maximum Power specification is a good way to compare each model's ability to handle musical peaks.



Kenwood's finest 6x9s, like all of their speakers, are designed to sound great and install with minimum hassle. The KFC-6992s can be top- or bottom-mounted.

Installation Alternatives

Our Installation Guide is quite detailed in its recommendations for flush-mount speakers. However, there are many instances, especially with difficult-to-fit cars, where the practical locations for flush-mounts are too small for true full-range speakers. For these situations there are several high-performance alternatives.

Plate-mount speakers are an excellent way to squeeze great sound into snug locations. If, for example, the largest flush-mount speaker that will fit in your vehicle is a 4", you can probably install a 2-way plate-mount model with a 5¼" woofer and separate dome tweeter. Plate-mounts only need a small-diameter cut-out hole and usually less than two inches of mounting depth, and the resulting installation is very good-looking. They are often not as efficient as flush-mounts, so you may need more amplifier power for adequate volume levels.

Another option is surface-mount speakers. This is a popular choice in situations,

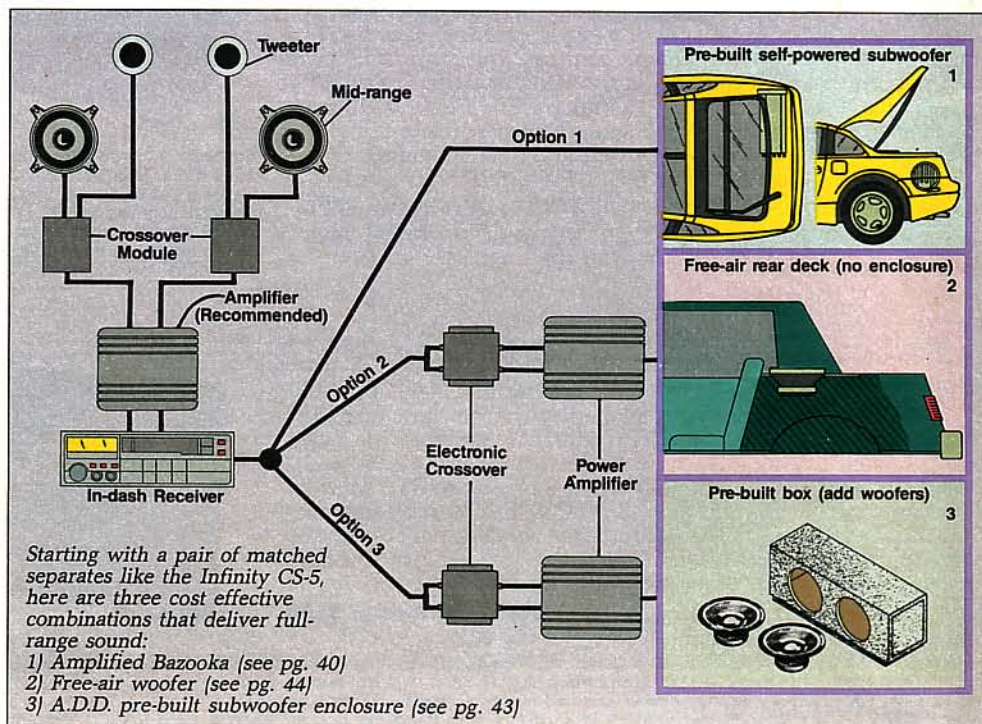
such as leased cars or company vehicles, where good sound is desired, but cutting holes for speakers is not possible. We offer everything from add-on tweeters to full-range models designed to sit on a rear deck.

For pickup trucks, vans, and hatchbacks, we carry several rugged, all-in-one systems that use large woofers—up to 12"—for powerful bass, and tweeters that can cut through road noise. These systems not only sound great, but are easy to install. And if you switch vehicles, you can simply take these speaker boxes with you.

Subwoofers & Component Systems

If powerful bass performance is a priority for you, but your vehicle lacks the room, there are some very creative solutions available. Kicker's Compact Subwoofers and the Bazooka Bass Tubes (pg. 40) can be combined with a separate power amp for bass notes you are guaranteed to feel as well as hear. The Compact Subwoofers are designed to fit under your seats!

On page 38 & 39, you'll find matched component speaker systems for the most demanding audiophiles. When used with mid- to high-powered amplifiers, these systems outperform many home systems. If you're a dedicated do-it-yourselfer, you may even want to attempt assembling your own component system. We offer a wide selection of raw drivers, enclosures, and both passive and active crossovers.



Car Stereo Speaker Chart

Car Stereo

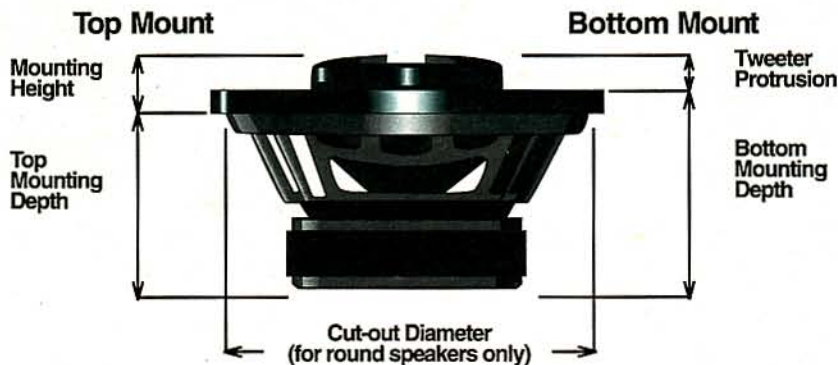
29

Follow these simple instructions to find the right size speakers for your application:

1) Measure the space the speaker is to occupy, or look it up in the Installation Guide on pages 58-67. If there is a depth limitation, check the chart below to be sure the speakers you want will fit. (Not all speakers of a given size have the same actual dimensions.)

2) If you have any questions, call Crutchfield toll-free. We'll be happy to help you determine what will fit in your car.

Note: All car speakers listed below have 4 ohm impedance.



	Top Mount		Bottom Mount		Cut-out Diameter	Sensitivity (dB)	Frequency Response (Hz)	Power range (watts RMS)	Peak Power Handling (watts)	List Price	Your Price
	Mounting Height	Depth	Tweeter Protrusion	Depth							
3½" Speakers											
Clarion SE-3252	¼	1½	¼	1½	3¼	90	100-20K	2-20	45	\$55	\$29
Infinity 32-Kappa	¼	1½	0	1¾	3¼	86	112-16K	2-7.5	15	\$45	\$39
Kenwood KFC-830G	⁵ / ₁₆	1 ¹ / ₁₆	0	1¾	3¼	89	96-20K	2-9	30	\$49	\$39
Pioneer TS-879	⅜	1½	0	1½	3¼	88	90-20K	2-10	40	\$78	\$49
4x6" Speakers											
Infinity 462-Kappa	⁵ / ₁₆	1 ¹ / ₁₆	0	2	—	86	98-16K	2-10	20	\$55	\$49
Jensen JXL-461	⁵ / ₁₆	1½	0	1 ¹³ / ₁₆	—	89	70-21K	2-25	65	\$40	\$34
Kenwood KFC-4671	⁵ / ₁₆	1½	¼	1 ¹³ / ₁₆	—	91	60-20K	2-13.5	25	\$129	\$99
Pioneer TS-469	⅜	1 ¹ / ₁₆	0	2 ¹ / ₁₆	—	89	50-22K	2-10	30	\$98	\$59
Pioneer TS-A4605	½	1½	0	2½	—	89	45-30K	2-10	50	\$144	\$89
Sony XS-4622	¼	1½	0	2	—	89	50-20K	2-22	45	\$110	\$79
Sony XS-PL46	⁵ / ₁₆	1 ⁹ / ₁₆	0	1¾	—	90	40-30K	2-40	80	\$155	\$99
4" Speakers											
Jensen JFX-144	¼	1½	0	1¾	4¼	90	61-20K	2-30	70	\$40	\$34
Jensen JXC-244	⅜	1¾	⅜	1¾	2¾	90	61-20K	2-30	75	\$65	\$59
IVC CS-427	⅜	1¾	¼	1¾	4	89	50-20K	2-22	45	\$50	\$39
Kenwood KFC-1073	⅜	1 ¹³ / ₁₆	⁵ / ₁₆	1¾	4	90	60-21K	2-15	50	\$89	\$69
Kenwood KFC-HQ100	½	1 ¹ / ₁₆	⁷ / ₁₆	1¾	4	89	55-22K	2-18	60	\$119	\$99
Pioneer TS-G1022	¼	1¾	³ / ₁₆	1 ¹³ / ₁₆	4	91	50-20K	2-10	40	\$78	\$44
Pioneer TS-A1090	⅜	1¾	¼	1¾	4	90	50-24K	2-10	50	\$102	\$59
Sony XS-1022	⅜	1¾	⅜	1¾	4¼	89	50-20K	2-30	60	\$100	\$69
5" Speakers											
Infinity RS-402	⅜	1¾	0	1¾	4¼	88	80-16K	2-13	25	\$90	\$59
Infinity 42-Kappa	⅜	1 ¹³ / ₁₆	0	1 ¹⁵ / ₁₆	4¼	87	98-16K	2-13	25	\$100	\$79
5¼" Speakers											
Clarion SE-5361	⁹ / ₁₆	1 ¹³ / ₁₆	⁵ / ₁₆	2 ¹ / ₁₆	4¼	92	55-22K	2-30	60	\$100	\$54
Infinity RS-502	¾	2	½	2¼	4¾	91	70-20K	2-15	30	\$120	\$99
Infinity 52-Kappa	¹¹ / ₁₆	1 ¹³ / ₁₆	⁷ / ₁₆	2 ¹ / ₁₆	4¼	88	63-22K	2-15	30	\$145	\$119
IBL T-500	⅜	1¾	⅜	2¼	4¾	91	60-20K	2-60	60	\$119	\$89
Jensen JXL-522	¾	1¾	—	—	4¾	91	58-20K	2-35	100	\$90	\$69
Kenwood KFC-1373	⅜	1¾	—	—	4½	91	50-20K	2-18	60	\$109	\$89
Kenwood KFC-HQ130	½	2¼	—	—	4½	90	45-22K	2-30	100	\$149	\$119
Pioneer TS-A1390	¾	2¼	—	—	4¾	90	45-24K	2-35	100	\$102	\$59
Pioneer TS-A1250	⅜	1 ¹³ / ₁₆	—	—	4¾	90	45-24K	2-15	50	\$96	\$59
Sony XS-3022	⁷ / ₁₆	2	—	—	4¾	90	45-24K	2-30	100	\$110	\$74
6½" Speakers											
Clarion SE-6373	1 ⁵ / ₁₆	2¼	—	—	5	90	60-21K	2-40	120	\$160	\$59
Infinity RS-602	¾	2¼	—	—	5	92	60-20K	2-25	50	\$120	\$99
Infinity 62-Kappa	¾	2¼	—	—	5	88	58-22K	2-25	50	\$150	\$129
Infinity 63-Kappa	1	2¼	—	—	5	88	58-45K	2-25	50	\$200	\$179
Jensen JFX-165	⅜	1¾	—	—	4¾	90	62-20K	2-30	75	\$50	\$34
Jensen JXL-653	1½	1¾	—	—	5	91	58-23K	2-65	135	\$110	\$79
IVC CS-627	¾	1¾	—	—	4¾	90	40-20K	2-50	100	\$75	\$49
Kenwood KFC-1673	¹¹ / ₁₆	1¾	—	—	5	92	50-20K	2-30	100	\$109	\$89
Kenwood KFC-1683	¾	2	—	—	5	90	45-21K	2-36	120	\$149	\$119
Kenwood KFC-HQ160	¾	2¼	—	—	5	90	35-22K	2-45	150	\$189	\$149
Pioneer TS-G1622	½	1¾	—	—	4¾	92	40-20K	2-20	60	\$84	\$49
Pioneer TS-A1640	¾	1¾	—	—	5	91	35-24K	2-35	100	\$108	\$69
Pioneer TS-A1670	¾	2¼	—	—	5	91	35-26K	2-40	120	\$156	\$99

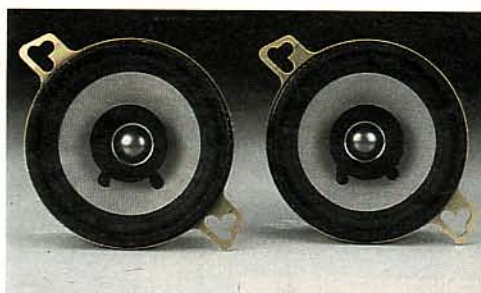
	Top Mount		Bottom Mount		Cut-out Diameter	Sensitivity (dB)	Frequency Response (Hz)	Power range (watts RMS)	Peak Power Handling (watts)	List Price	Your Price	
	Mounting Height	Depth	Tweeter Protrusion	Depth								
Pioneer TS-A1680	¾	2¼	—	—	5	91	35-30K	2-40	150	\$192	\$119	
Sony XS-6024	¾	1½	—	—	5	90	35-20K	2-60	120	\$110	\$74	
6x9" Speakers												
Infinity RS-6902	¾	3	0	3¾	—	93	40-20K	2-35	70	\$160	\$119	
Infinity RS-6903	¾	3	0	3¾	—	93	40-22K	2-35	70	\$200	\$149	
Infinity 692-Kappa	¾	3¾	0	3¾	—	90	34-22K	2-35	70	\$190	\$159	
Infinity 693-Kappa	¾	3¾	0	3¾	—	90	34-45K	2-50	100	\$250	\$219	
IBL T-900	⅞ ₁₆	2 ¹¹ / ₁₆	0	3	—	92	55-23K	2-80	80	\$169	\$99	
IBL T-903	¾	3½	½	3¾	—	92	40-18K	2-100	100	\$279	\$199	
IBL T-545	2	3 ⁷ / ₁₆	1	4 ⁷ / ₁₆	—	92	40-18K	2-100	100	\$349	\$249	
Jensen JXC-240	—	—	0	4½	—	92	45-21K	2-55	140	\$80	\$54	
Jensen JTX-340	—	—	0	4½	—	92	45-21K	2-60	150	\$110	\$74	
Jensen JXL-692	—	—	0	4	—	92	40-22K	2-80	160	\$110	\$64	
Jensen JXL-693	—	—	0	4	—	93	40-26K	2-85	175	\$130	\$84	
Kenwood KFC-6962	1	2 ¹¹ / ₁₆	⁹ / ₁₆	3¾	—	91	65-20K	2-22.5	75	\$129	\$99	
Kenwood KFC-6972	1½	3	¾	3¾	—	91	65-20K	2-30	100	\$159	\$129	
Kenwood KFC-6982	1½	3¾	¾	3¾	—	91	50-20K	2-45	150	\$189	\$149	
Kenwood KFC-6992	1½	3¾	¾	3¾	—	92	35-25K	2-60	200	\$239	\$199	
Pioneer TS-A6904	½	2½	0	2½	—	92	35-23K	2-35	100	\$120	\$69	
Pioneer TS-A6905	¾	2½	¼	2½	—	93	30-26K	2-40	120	\$168	\$99	
Pioneer TS-A6907	¾	2½	¼	3¼	—	93	28-27K	2-50	160	\$192	\$119	
Pioneer TS-A6908	¾	2½	¼	3½	—	93	28-30K	2-50	200	\$264	\$159	
Sony XS-6920	¾	2½	0	3	—	92	35-20K	2-70	140	\$100	\$69	
Sony XS-6930II	½	2½	0	3½	—	93	30-22K	2-80	160	\$140	\$89	
Sony XS-6951	1	3	0	4	—	90	28-25K	2-70	140	\$240	\$159	
4x10" Speakers												
Jensen J-1405	—	—	0	2½	—	93	45-18K	2-30	45	\$85	\$59	
Jensen J-1401	—	—	0	2½	—	93	40-20K	2-30	45	\$130	\$79	
Kenwood KFC-411G	¾	2½	0	3¾	—	91	60-20K	2-30	100	\$119	\$99	
Pioneer TS-A4103	½	2½	0	3	—	91	38-23K	2-35	120	\$138	\$79	
Pioneer TS-A4105	½	2½	0	3	—	92	38-25K	2-35	120	\$162	\$99	
Pyle K-P4116D	⁷ / ₁₆	2 ¹¹ / ₁₆	0	3¾	—	94	55-20K	2-40	80	\$149	\$99	
Sony XS-417	¾	2½	0	3½	—	91	30-20K	2-37	75	\$145	\$99	
Custom-sized & Special Application Speakers												
IBL T-600	¾	2¼	0	2½	—	91	55-23K	2-60	60	\$149	\$119	
Kenwood KFC-463V	¼	1¼	¼	1½	—	89	70-20K	2-13.5	45	\$99	\$79	
Pioneer TS-1018	¾	1¼	0	1½	4	88	50-20K	2-10	30	\$76	\$49	
Pioneer TS-A4605	¼	1¼	0	2½	—	89	45-30K	2-10	50	\$144	\$89	
Pioneer TS-1609	¾	2½	—	—	6¼	90	30-20K	2-50	180	\$204	\$129	
Pioneer TS-A5703	¾	2½	0	2½	—	91	40-23K	2-35	100	\$120	\$74	
Pioneer TS-A5705	¾	2½	0	2½	—	91	40-24K	2-40	120	\$144	\$89	
Sony XS-44	¼	1½	0	1½	3 ¹¹ / ₁₆	88	53-20K	2-17	35	\$110	\$74	
Sony XS-8031	1¾	2 ¹¹ / ₁₆	0	4¾	7¾	93	20-26K	2-90	180	\$200	\$139	
Plate-Mount Speakers												
Pyle K-HP523	1½	1½	—	—	3¾	92	45-20K	8-40	80	\$220	\$169	
Sony XS-PL55	1½	2	—	—	4½	88	40-22K	8-50	100	\$260	\$179	
Surface-Mount Speakers												
Pioneer TS-M4	Dim: 4½"W x 1¼"H x 3¼"D						91	400-20K	2-10	30	\$72	\$39
Pioneer TS-X100	Dim: 1½"W x 4½"H x 6¼"D						89	80-20K	2-20	60	\$126	\$69
Pioneer TS-X200	Dim: 1¾"W x 4½"H x 6¼"D						89	65-30K	2-20	80	\$162	\$89
Pioneer TS-X300	Dim: 1¾"W x 5½"H x 6¼"D						89	50-30K	2-40	120	\$258	\$149



Clarion SE-3252 3 1/2"

For this super low price you get dash speakers with Clarion quality and true 2-way design. The separate tweeters give you extra-crisp highs that don't get blurred or muffled. The SE-3252s are superior to any factory dash speakers. Try a pair and see. Grilles not included.

Specifications: Frequency response 100-20,000 Hz; Max. watts 20 RMS/45 peak; Mounting depth: see p. 29. Item #020SE3252 List Price: \$55
YOUR LOW PRICE: \$29 pair



Kenwood KFC-830G 3 1/2"

Good things do come in small packages. This rugged dual-cone has a frame specially designed to fit most GM cars. Why settle for the mediocre sound of standard factory speakers when Kenwood quality is this affordable? Grilles not included.

Specifications: Frequency response 96-20,000 Hz; Max. watts 9 RMS/30 peak; Mounting depth: see p. 29. Item #113KFC830G List Price: \$49
YOUR LOW PRICE: \$39 pair



Infinity 32-K 3 1/2"

Infinity redesigned their popular 32-K to create the most durable, most precise 3 1/2-inch ever. The Kappa Series model uses a graphite injection-molded polypropylene woofer with their Polycell high-frequency cone to give you richer, fuller sound in your dash. Grilles not included.

Specifications: Frequency response 112-16,000 Hz; Max. watts 7 RMS/15 peak; Mounting depth: see p. 29. Item #108RS32K List Price: \$45
YOUR LOW PRICE: \$39 pair



Pioneer TS-879 3 1/2"

Pioneer makes it easy for GM, Ford, and VW owners to experience crisp highs and improved imaging with these 3 1/2" 2-ways. Slipping a pair of these into your dash is the quickest way to make your system sparkle. Grilles not included.

Specifications: Frequency response 90-20,000 Hz; Max. watts 10 RMS/40 peak; Mounting depth: see p. 29. Item #130TS879 List Price: \$78
YOUR LOW PRICE: \$49 pair



Jensen JXL461 4"x6"

CD-ready and made in the USA, these Jensen 4x6s have the edge on the competition with full-range sound at an easily affordable price. Ordinary factory speakers don't come close. You can use these dual-cones to complement your rear speakers and improve your entire system. Grilles not included.

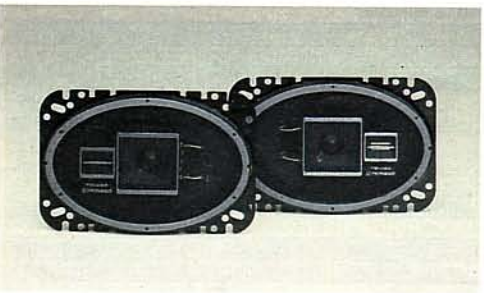
Specifications: Frequency response 70-21,000 Hz; Max. watts 25 RMS/65 peak; Mounting depth: see p. 29. Item #110JXL461 List Price: \$40
YOUR LOW PRICE: \$34 pair



Infinity 462-K 4"x6"

For the legendary Infinity sound in your dash, try a pair of the Kappa Series 4x6s. Infinity designed an advanced graphite-injected polypropylene woofer coupled with their Polycell high-frequency cone to give your system tighter bass and crisper highs. Grilles not included.

Specifications: Frequency response 98-16,000 Hz; Max. watts 10 RMS/20 peak; Mounting depth: see p. 29. Item #108RS462K List Price: \$55
YOUR LOW PRICE: \$49 pair



Pioneer TS-469 4"x6"

If you're fed up with the weak, tinny sound of factory 4x6s, try Pioneer's Maxxial TS-469s. This unique 3-way design uses separate woofers, midranges, and tweeters. The cone midrange and ceramic horn tweeter let you hear every detail. Grilles not included.

Specifications: Frequency response 50-22,000 Hz; Max. watts 10 RMS/30 peak; Mounting depth: see p. 29. Item #130TS469 List Price: \$98
YOUR LOW PRICE: \$59 pair



Sony XS-4622 4"x6"

This Sony coaxial is a natural for replacing tired dash speakers in American cars. The separate woofers and tweeters bring your music to life. Step up to full-range Sony sound for your car. Grilles not included.

Specifications: Frequency response 50-20,000 Hz; Max. watts 22 RMS/45 peak; Mounting depth: see p. 29. Item #158XS4622 List Price: \$110
YOUR LOW PRICE: \$79 pair



Kenwood KFC-4671 4"x6"

This 2-way from Kenwood is our most efficient 4"x6" speaker. Just a few watts are all that's needed for crisp, clear sound. The woofer cone is reinforced with resin and impregnated with silicone for double resistance to moisture. Grilles are included.

Specifications: Frequency response 60-20,000 Hz; Max. watts 13 RMS/45 peak; Mounting depth: see p. 29. Item #113KFC4671 List Price: \$129
YOUR LOW PRICE: \$99 pair



Jensen JFX-144/JCX-244 4"

It's amazing that this 4" dual-cone can sound so good and handle real power, yet still be so affordable. If you like high frequencies that are crisper, go with the JCX-244 with a separate tweeter. Made in USA. JCX-244 is top-mount only.

Specifications: Frequency response 61-20,000 Hz; Max. watts 30 RMS/70 peak; Mounting depth: see p. 29.

Item #110JFX144 List Price: \$40

YOUR LOW PRICE: \$34 pair (pictured)

Item #110JCX244 List Price: \$65

YOUR LOW PRICE: \$59 pair



JVC CS-427 4"

Here's more proof that budget speakers don't have to sound cheap. JVC's CS-427 combines a moisture-resistant, resin-coated woofer and a separate cone tweeter. The easy-mounting squared-off design makes it a natural for door- or dash-mounting.

Specifications: Frequency response 50-20,000 Hz; Max. watts 22 RMS/45 peak; Mounting depth: see p. 29.

Item #105CS427 List Price: \$50

YOUR LOW PRICE: \$39 pair



Pioneer TS-G1022 4"

A 4-inch speaker with true 2-way design for just \$44? Sure, it's a Pioneer! Separate woofers and tweeters prevent blurring of high and low frequencies. Great Pioneer sound and durability at an even better price.

Specifications: Frequency Response 50-20,000 Hz; Max. watts 10 RMS/40 peak; Mounting depth: see p. 29.

Item #130TSG1022 List Price: \$78

YOUR LOW PRICE: \$44 pair



Pioneer TS-A1090 4"

From Pioneer's latest series of speakers, the TS-A1090 2-way design combines a separate 1 1/2" tweeter and special water-resistant woofer cone. Vocals are in focus and instruments stand out, crisp and clear. Ideal for door installations with sharp-looking mesh grilles.

Specifications: Frequency response 50-24,000 Hz; Max. watts 10 RMS/50 peak; Mounting depth: see p. 29.

Item #130TSA1090 List Price: \$102

YOUR LOW PRICE: \$59 pair



Sony XS-1022 4"

Sony's XS-1022 is the updated version of one of our best-selling 4" speakers ever. The water-resistant poly woofer makes it a logical choice for door installations. Isn't it time you treated your ears to the Sony difference?

Specifications: Frequency response 50-20,000 Hz; Max. watts 30 RMS/60 peak; Mounting depth: see p. 29.

Item #158XS1022 List Price: \$100

YOUR LOW PRICE: \$69 pair



Kenwood KFC-1073 4"

Even with something as basic as a 4" coaxial, Kenwood's dedication to quality comes through loud and clear. The water-resistant woofer cone is strong and durable. And the separate 1 1/2" cone tweeter keeps the midrange and upper frequencies crisp and clean.

Specifications: Frequency response 60-21,000 Hz; Max. watts 15 RMS/50 peak; Mounting depth: see p. 29.

Item #113KFC1073 List Price: \$89

YOUR LOW PRICE: \$69 pair



Kenwood KFC-HQ100 4"

"Digital-ready" is a term that gets tossed around a lot, but not all speakers can meet the frequency response and power-handling demands of CD playback. These Kenwoods can. The poly woofer and 1" polyimide dome tweeter work together for sound that's detailed, yet smooth.

Specifications: Frequency response 55-22,000 Hz; Max. watts 18 RMS/60 peak; Mounting depth: see p. 29.

Item #113KFCHQ10 List Price: \$119

YOUR LOW PRICE: \$99 pair



Infinity RS-402 5"

At first, the RS-402 looks like an ordinary 5" dual-cone. But when you look closer, you notice the unusual texture of Infinity's Polycell foam laminate design. This foam coating helps the woofer cone resist extremes of temperature and humidity.

Specifications: Frequency response 80-16,000 Hz; Max. watts 13 RMS/25 peak; Mounting depth: see p. 29.

Item #108RS402 List Price: \$90

YOUR LOW PRICE: \$59 pair



Infinity 42-K 5"

In your dash or doors, the Kappa Series 42-K will give you full-bodied sound you won't believe from such a small speaker. You'll hear noticeably tighter bass from the unique graphite/polypropylene woofers. And the smoother highs come from Infinity's Polycell cones.

Specifications: Frequency response 98-16,000 Hz; Max. watts 13 RMS/25 peak; Mounting depth: see p. 29.

Item #10842KAPPA List Price: \$100

YOUR LOW PRICE: \$79 pair



Clarion SE-5361 5 1/4"

Since most 5 1/4's are mounted in doors, Clarion designed their SE-5361 with a water-resistant treated-fiber woofer for durability. A 1 1/2" dynamic film midrange and a 3/8" tweeter combine to cut through road noise and deliver crisp highs.

Specifications: Frequency response 55-22,000 Hz; Max. watts 30 RMS/60 peak; Mounting depth: see p. 29.

Item #020SE5361 List Price: \$100

YOUR LOW PRICE: \$54 pair



TOP MOUNT ONLY

Pioneer TS-A1390 / TS-A1250

With a water-resistant, carbon-blended poly woofer cone, the TS-A1390 is ideal for door-mounts. The TS-A1250's slightly smaller frame makes it a no-hassle, better-sounding replacement speaker for many imports.

Specifications: Freq. resp. 45-24k Hz/60-20k Hz; Max. watts 35/15 RMS/100/50 peak; Mount. depth: see p. 29.

Item #130TSA1390 List Price: \$102

YOUR LOW PRICE: \$59 pair (pictured)

Item #130TSA1250 List Price: \$96

YOUR LOW PRICE: \$59 pair



NEW

TOP MOUNT ONLY

Jensen JXL522 5 1/4"

Now the classic Jensen sound also comes in a flexible 5 1/4" package. The coaxial JXL522 is specially designed to handle the wider dynamic range of digital sources. And it handles more power than most 5 1/4's, even some costing a lot more. Made in USA.

Specifications: Frequency response 58-20,000 Hz; Max. watts 35 RMS/100 peak; Mounting depth: see p. 29.

Item #110JXL522 List Price: \$90

YOUR LOW PRICE: \$69 pair



TOP MOUNT ONLY

Sony XS-3022 5 1/4"

Sony's XS-3022 can put clean, open highs and startlingly solid bass your car's doors or deck. The high-compliance poly woofer and lightweight tweeter combine to produce seamless sound that will fill your car's interior.

Specifications: Frequency response 40-20,000 Hz; Max. watts 30 RMS/100 peak; Mounting depth: see p. 29.

Item #158XS3022 List Price: \$110

YOUR LOW PRICE: \$74 pair



JBL T-500 5 1/4"

JBL car speakers come from the same advanced research and production technology that makes their studio monitors #1 in the world. The 2-way T-500 combines a polymer laminate mid/woofer with an advanced 1/2" titanium laminate tweeter for sound with the accuracy and realism JBL is known for. Made in USA.

Specifications: Frequency response 60-20,000 Hz; Max. watts 60 RMS/60 peak; Mounting depth: see p. 29.

Item #109T500 List Price: \$119

YOUR LOW PRICE: \$89 pair



TOP MOUNT ONLY

Kenwood KFC-1373 5 1/4"

Kenwood makes life easy for do-it-yourself installers with this clean-sounding 2-way. Its shallow basket and low-profile tweeter allow it to fit many snug locations where other 5 1/4's just won't go. It even fits behind most factory grilles.

Specifications: Frequency response 50-20,000 Hz; Max. watts 18 RMS/60 peak; Mounting depth: see p. 29.

Item #113KFC1373 List Price: \$109

YOUR LOW PRICE: \$89 pair



Infinity RS-502 5 1/4"

With their RS-502, Infinity's clean, detailed sound is more affordable. The Polycell foam laminate cone resists temperature extremes and moisture. And the polycarbonate tweeter has a unique plastic guard with radiating blades to ensure phase accuracy and excellent dispersion.

Specifications: Frequency response 70-20,000 Hz; Max. watts 15 RMS/30 peak; Mounting depth 2".

Item #108RS502 List Price: \$120

YOUR LOW PRICE: \$99 pair



Infinity 52-K 5 1/4"

For Crutchfield customers with an ear for quality, the Infinity Kappa Series sets the performance standard. This innovative 5 1/4-inch design uses Infinity's improved graphite & polypropylene woofers for more bass punch, along with a separate low-diffraction midrange/tweeter for crisp highs.

Specifications: Frequency response 63-22,000 Hz; Max. watts 15 RMS/30 peak; Mounting depth 2 1/4".

Item #10852KAPPA List Price: \$145

YOUR LOW PRICE: \$119 pair



TOP MOUNT ONLY

Kenwood KFC-HQ130 5 1/4"

Before you even hook up Kenwood's best 5 1/4" speaker, you can tell from the components and finish that it will sound terrific. And it does! The poly woofer is tough enough for any deck or door installation, and the 1" dome tweeter lets the musical details come through, while never sounding harsh.

Specifications: Frequency response 45-22,000 Hz; Max. watts 30 RMS/100 peak; Mounting depth: see p. 29.

Item #113KFCHQ13 List Price: \$149

YOUR LOW PRICE: \$119 pair



TOP MOUNT ONLY

Jensen JFX165 6½"

Budget systems need good speakers, too, and these well-built dual-cones deliver the exciting, full-range sound Jensen is famous for. The shallow-mount design allows the JFX165 to fit in many 5¼" applications (check dimensions). Made in USA.

Specifications: Frequency response 62-20,000 Hz; Max. watts 30 RMS/75 peak; Mounting depth: see p. 29.

Item #110JFX165 List Price: \$50

YOUR LOW PRICE: \$34 pair



TOP MOUNT ONLY

Pioneer TS-G1622 6½"

The TS-G1622 is the way to get great bass on a budget. And its 2-way design delivers super sound from door or rear deck locations. These 6½'s are an easy upgrade to your system. They're really efficient, so a few watts are all you need to drive them.

Specifications: Frequency response 40-20,000 Hz; Max. watts 20 RMS/60 peak; Mounting depth: see p. 29.

Item #130TSG1622 List Price: \$84

YOUR LOW PRICE: \$49 pair



TOP MOUNT ONLY

JVC CS-627 6½"

JVC's coaxial CS-627 doesn't do anything fancy, just puts out solid bass and smooth, natural highs. The water-resistant, resin-coated woofer cone makes it a good choice for door-mounting. The CS-627 can handle up to 100 watts, too.

Specifications: Frequency response 40-20,000 Hz; Max. watts 50 RMS/100 peak; Mounting depth: see p. 29.

Item #105CS627 List Price: \$75

YOUR LOW PRICE: \$49 pair



TOP MOUNT ONLY

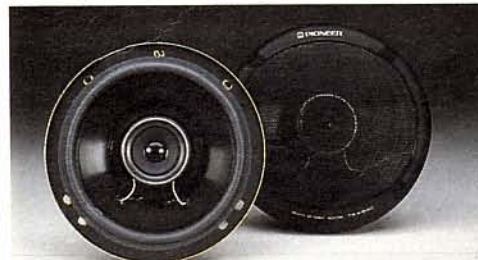
Clarion SE-6373 6½"

Now for the price of a budget coaxial, you can enjoy the 3-way accuracy of Clarion's SE-6373. Built to last, this beauty uses a poly resin woofer and a poly film midrange and tweeter. (Note mounting height on p. 29; may not fit behind some factory grilles.) *Supplies limited.*

Specifications: Frequency response 60-21,000 Hz; Max. watts 40 RMS/120 peak; Mounting depth: see p. 29.

Item #020SE6373 List Price: \$160

SPECIAL PURCHASE PRICE: \$59 pair



TOP MOUNT ONLY

Pioneer TS-A1640/TS-A1670

Here are two more reasons why Pioneer remains the car speaker leader. The 2-way TS-A1640 is a slim-line design for tight locations, while the 3-way TS-A1670 provides increased accuracy and power handling.

Specifications: Freq. resp. 35-24k Hz/35-26k Hz; Max. watts 35/40 RMS; 100/120 peak; Mounting depth: see p. 29.

Item #130TSA1640 List Price: \$108

YOUR LOW PRICE: \$69 pair (pictured)

Item 130TSA1670 List Price: \$156

YOUR LOW PRICE: \$99 pair



TOP MOUNT ONLY

Sony XS-6024 6½"

Here's good news: the XS-6024 is a shallow-mount design for easy installation, yet has the big bass wallop we've come to expect from Sony's larger-magnet models. The water-resistant woofer and 1½" cone tweeter don't need much power to pump out plenty of clean, crisp sound.

Specifications: Frequency response 35-20,000 Hz; Max. watts 60 RMS/120 peak; Mounting depth: see p. 29.

Item #158XS6024 List Price: \$110

YOUR LOW PRICE: \$74 pair



TOP MOUNT ONLY

Jensen JXL653 6½"

Jensen's JXL653 Triax 3-ways are 6½" speakers that will also fit some top-mount 5¼" locations. The big weather-resistant woofers really pound out the bass, while the high-efficiency cone midrange and polycarbonate cone tweeters add excitement to vocals and instruments. Made in USA.

Specifications: Frequency response 58-23,000 Hz; Max. watts 65 RMS/135 peak; Mounting depth: see p. 29.

Item #110JXL653 List Price: \$110

YOUR LOW PRICE: \$79 pair



TOP MOUNT ONLY

Kenwood KFC-1673/KFC-1683

With coated paper woofers for resistance to moisture, these two 6½'s are excellent choices for doors or rear decks. The 3-way KFC-1683 has a horn-loaded tweeter for extra coverage of frequencies above 10,000 Hz.

Specs: Freq. resp. 50-20k Hz/45-21k Hz; Max. watts 30/36 RMS; 100/120 peak; Mount. depth: see p. 29.

Item #113KFC1673 List Price: \$109

YOUR LOW PRICE: \$89 pair

Item #113KFC1683 List Price: \$149

YOUR LOW PRICE: \$119 pair (pictured)



TOP MOUNT ONLY

Infinity RS-602 6½"

The RS-602's low profile design allows easy installation behind existing factory grilles in many vehicles. And what an improvement over factory speakers! The Polycell foam-coated woofer resists temperature extremes and humidity, while the polycarbonate tweeter lets you hear all the details.

Specifications: Frequency response 60-20,000 Hz; Max. watts 25 RMS/50 peak; Mounting depth: see p. 29.

Item #108RS602 List Price: \$120

YOUR LOW PRICE: \$99 pair

6½", 8", and 4x10" Speakers



TOP MOUNT ONLY

Pioneer TS-A1680 6½"

From bottom to top, this 3-way Pioneer demonstrates what *full range* is all about. The bass is deep and rich. A ¾" titanium dome midrange and ½" dome tweeter produce brilliant mids and highs. Voices and instruments will jump to life.

Specifications: Frequency Response 35-30,000 Hz; Max. watts 40 RMS/150 peak; Mounting depth: see p. 29.

Item #130TSA1680 List Price: \$192

YOUR LOW PRICE: \$119 pair



TOP MOUNT ONLY

Infinity 62-K/63-K 6½"

Infinity's Kappa technology includes graphite fiber-injected woofers and specially-shaped, low-diffraction tweeter pods that give any music a wide-open, true-to-life quality. The 63-K adds Infinity's famous EMIT tweeter.

Specifications: Frequency resp. 58-22k Hz/58-45k Hz; Max. watts 25 RMS/50 peak; Mount. depth: see pg. 29.

Item #10862KAPPA List Price: \$150

YOUR LOW PRICE: \$129 pair

Item #10863KAPPA List Price: \$200

YOUR LOW PRICE: \$179 pair (pictured)



TOP MOUNT ONLY

Kenwood KFC-HQ160 6½"

If you're looking for terrific sound from a 6½", you can't do better than Kenwood's best. The KFC-HQ160 uses their new "balanced dome" tweeter design, which combines the best qualities of the dome (wide dispersion and extra detail) and the cone (high efficiency). The woofer cone is blended poly for durability.

Specifications: Frequency response 35-22,000 Hz; Max. watts 45 RMS/150 peak; Mounting depth: see p. 29.

Item #113KFC HQ16 List Price: \$189

YOUR LOW PRICE: \$149 pair



Sony XS-8031 8"

Install a pair of these 3-way brutes and you won't need subwoofers. The deep, 8" parabolic cones really growl. Separate midrange and tweeter cones precisely cover these crucial frequencies. The XS-8031s can be mounted from top or bottom, are 6x9" compatible, and include spacer rings.

Specifications: Frequency response 20-26,000 Hz; Max. watts 90 RMS/180 peak; Mounting depth: see p. 29.

Item #158XS8031 List Price: \$200

YOUR LOW PRICE: \$139 pair



Jensen J1405 / J1401

Try the J1405 for Jensen coaxial sound in a design that fits many popular GM models. Both the J1405 and J1401 feature bright piezo tweeters. If you want more midrange "presence", try the J1401 Triax. Made in USA.

Specifications: Freq. resp. 45-18k Hz/40-20k Hz; Max. watts 30 RMS/45 peak; Mounting depth: see p. 29.

Item #110J1405 List Price: \$85

YOUR LOW PRICE: \$59 pair

Item #110J1401 List Price: \$130

YOUR LOW PRICE: \$79 pair (pictured)



Pioneer TS-A4105/TS-A4103

If you've never heard tight bass from a 4x10, try one of these stylish Pioneers. Both deliver smooth sound. The TS-A4105 treats your ears to 3-way precision. The TS-A4103 is an efficient 2-way.

Specifications: Freq. resp. 38-25k/38-23k Hz; Max. watts 35 RMS/120 peak; Mounting depth: see pg. 29.

Item #130TSA4105 List Price: \$162

YOUR LOW PRICE: \$99 pair (pictured)

Item #130TSA4103 List Price: \$138

YOUR LOW PRICE: \$79 pair



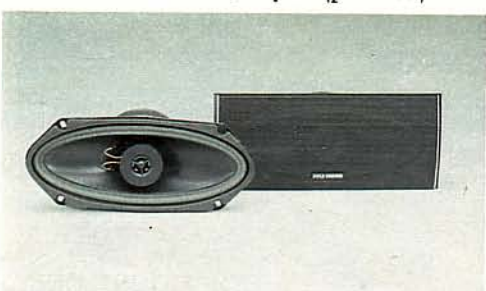
Sony XS-417 4"x10"

With these top-of-the-line 3-way Sonys you'll hear more midrange detail, where most of the music is. The 2-inch midranges are matched with 1-inch tweeters for clear, open highs. Try a pair in your GM rear deck for true high fidelity sound.

Specifications: Frequency response 30-20,000 Hz; Max. watts 37 RMS/75 peak; Mounting depth: see p. 29.

Item #158XS417 List Price: \$145

YOUR LOW PRICE: \$99 pair



Pyle K-P4116D 4"x10"

The startling bass of this 4x10 is due to the high-energy 16 oz. magnet that drives the rugged polypropylene woofer cone. The low-profile, wide-dispersion dome tweeter offers smooth sound and greater installation flexibility. Made in USA.

Specifications: Frequency response 55-20,000 Hz; Max. watts 40 RMS/80 peak; Mounting depth: see p. 29.

Item #131KP4116D List Price: \$149

YOUR LOW PRICE: \$99 pair



Kenwood KFC-411G 4"x10"

The KFC-411G allows a lot more people to experience Kenwood sound; its frame is designed to fit most GM cars without modification. Because the 2" cone tweeter sits flush, with no protrusion, bottom-mounting is a snap. The poly woofer is a good choice for sunlight-intensive dash or rear deck applications. Grilles not included.

Specifications: Frequency response 60-20,000 Hz; Max. watts 30 RMS/100 peak; Mounting depth: see p. 29.

Item #113KFC411G List Price: \$119

YOUR LOW PRICE: \$99 pair



SA

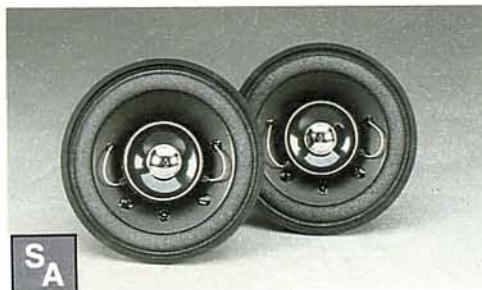
Pioneer TS-1018

If you own a late-model Toyota or Mitsubishi car, pickup, or van, Pioneer has a 4" 2-way speaker that fits the dash openings of many models without modification. Also fits '87-'90 Chevy Corsica dash with some modification.

Specifications: Frequency response 50-20,000 Hz; Max. watts 10 RMS/30 peak; Mounting depth: see p. 29.

Item #130TS1018 List Price: \$76

YOUR LOW PRICE: \$49 pair



SA

Sony XS-44

The XS-44 is specially made to fit the dash openings of many late model Mercedes, Audis and Toyotas (including pickups). Though compact, it features true 2-way design, with a 1 1/2" polymer tweeter and a tough poly woofer that will stand up to daily exposure to heat and sunlight.

Specifications: Frequency response 55-20,000 Hz; Max. watts 17 RMS/35 peak; Mounting depth: see p. 29.

Item #158XS44 List Price: \$110

YOUR LOW PRICE: \$74 pair



SA

Kenwood KFC-463V

The KFC-463V provides great sound and a no-hassle fit for the smaller metric 4x6 openings found in many European cars (VW Golf, Porsche, Mercedes Benz and BMW). The tough poly woofer can handle the intense sunlight exposure of dash installations. Kenwood's looking out for you.

Specifications: Frequency response 70-20,000 Hz; Max. watts 13 RMS/45 peak; Mounting depth: see p. 29.

Item #113KFC463V List Price: \$99

YOUR LOW PRICE: \$79 pair



SA

Pioneer TS-A4605 4"x6"

The new TS-A4605 has the two things we look for in a car speaker: terrific sound and installation flexibility. It combines a blended poly woofer with a 1 1/8" dome tweeter. As is, the special European basket fits VW Golf and Mercedes Benz S-series. Two included spacers permit use with many GM models, including S-10, and more.

Specifications: Frequency response 45-30,000 Hz; Max. watts 10 RMS/50 peak; Mounting depth: see p. 29.

Item #130TSA4605 List Price: \$144

YOUR LOW PRICE: \$89 pair



NEW

Sony XS-PL46 4"x6"

Make the most of your car's 4x6" openings with these terrific midrange/tweeter plates from Sony. Each has a 3/4" polymer film tweeter and a 4" polymer laminate woofer. Besides sounding great and handling serious power, these rugged speakers laugh at heat, cold, and moisture.

Specifications: Frequency response 50-22,000 Hz; Max. watts 40 RMS/80 peak; Mounting depth: see p. 29.

Item #158XSPL46 List Price: \$155

YOUR LOW PRICE: \$99 pair



SA

Pioneer TS-A5705 / TS-A5703

The custom-designed basket and gasket of the TS-A5705 and TS-A5703 match Ford, Chrysler and Toyota 5x7 (except Celica) and Ford 6x8 openings. Both use poly woofers. The TS-A5705 is our only 3-way 5x7.

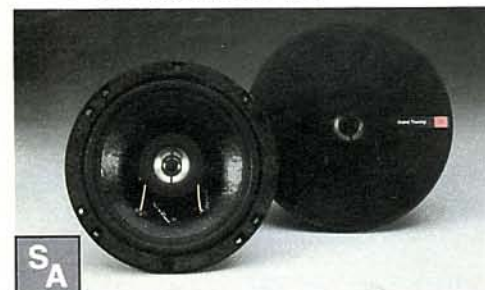
Specifications: Frequency response 40-24k Hz/40-23k Hz; Max. watts 40/35 RMS; 120/100 peak; Mounting depth: see p. 29.

Item #130TSA5705 List Price: \$144

YOUR LOW PRICE: \$89 pair (pictured)

Item #130TSA5703 List Price: \$120

YOUR LOW PRICE: \$74 pair



SA

JBL T-600

Install a pair of these JBL coaxials and transform your car into a studio monitor sound system on wheels. The polymer laminate woofer combines the best features of both paper and polypropylene materials, resulting in realistic bass and long-playing durability. Check dimensions; 5 3/4" cut-out. Made in USA.

Specifications: Frequency response 55-23,000 Hz; Max. watts 60 RMS/60 peak; Mounting depth: see p. 29.

Item #109T600 List Price: \$149

YOUR LOW PRICE: \$119 pair



SA

Pioneer TS-1609 7"

With its oversized frame and hefty 14.5 oz. woofer magnet, the 3-way TS-1609 delivers muscular sound with plenty of bass. And the 2 1/4" midrange and horn tweeter really cut through road noise. Not a replacement for most factory 6 1/2" speakers.

Specifications: Frequency response 30-20,000 Hz; Max. watts 50 RMS/180 peak; Mounting depth: see p. 29.

Item #130TS1609 List Price: \$204

YOUR LOW PRICE: \$129 pair



Pioneer TS-M4 Tweeters

If you want better dispersion of high frequencies in the front of your car, but don't have space in your dash, these Pioneers are perfect. Mount them anywhere with screws or the supplied double-sided adhesive. They include a built-in crossover and level control so you can be enjoying better music in minutes.

Specifications: Freq. resp. 400-20,000 Hz; Max. watts 10 RMS/30 peak; Dim. 4 1/2"W x 1 1/4"H x 3 1/8"D.

Item #130TSM4 List Price: \$72

YOUR LOW PRICE: \$39 pair



BOTTOM MOUNT ONLY

Jensen JCX240 / JTX340

Jensen's American Classic speakers are excellent values. The coaxial JCX240 delivers smooth, rich sound. The 3-way JTX340's separate midrange driver adds detail and warmth to vocals. Top-mount spacer #110JA69, \$18 pr. Made in USA.

Specifications: Freq. resp. 45-21,000 Hz; Max. watts 55/60 RMS; 140/150 peak; Mounting depth: see p. 29.

Item #110JCX240 List Price: \$80

YOUR LOW PRICE: \$54 pair (pictured)

Item #110JTX340 List Price: \$110

YOUR LOW PRICE: \$74 pair

**Sony XS-6920 6"x9"**

You don't have to spend a bundle to enjoy full-range Sony sound in your car. The XS-6920 is a simple, straightforward 2-way design with a low-profile cone tweeter that makes under-deck mounting a snap. High efficiency for good sound even in low-powered systems.

Specifications: Frequency response 35-20,000 Hz; Max. watts 70 RMS/140 peak; Mounting depth: see p. 29.

Item #158XS6920 List Price: \$100

YOUR LOW PRICE: \$69 pair

**Pioneer TS-A6904 6"x9"**

You can still get great sound and good looks on a budget with Pioneer's TS-A6904. The heavy-duty carbon-blended poly woofer and 2 1/2" cone tweeter make beautiful music together. The TS-A6904 can be top- or bottom-mounted, and its smaller dimensions make it compatible with GM's factory speaker housing.

Specifications: Frequency response 35-23,000 Hz; Max. watts 35 RMS/100 peak; Mounting depth: see p. 29.

Item #130TSA6904 List Price: \$120

YOUR LOW PRICE: \$69 pair



BOTTOM MOUNT ONLY

Jensen JXL693 / JXL692

Jensen's finest 6x9, the Triaxial JXL693 is a best-seller because it combines smoothness with bass punch. The JXL692 offers similar performance in an affordable 2-way. Top-mount spacer #110JA69, \$18 pr.

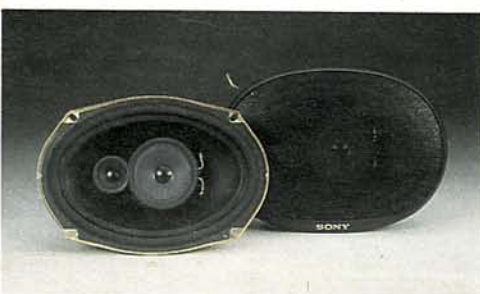
Specifications: Freq. resp. 40-26kHz/40-22kHz; Max. watts 80/85 RMS; 160/175 peak; Mount. depth: see p. 29.

Item #110JXL693 List Price: \$130

YOUR LOW PRICE: \$84 pair (pictured)

Item #110JXL692 List Price: \$110

YOUR LOW PRICE: \$64 pair

**Sony XS-6930 II 6"x9"**

The original XS-6930 set a new standard for under-\$100 6x9s, and was a runaway best-seller. With the updated XS-6930 II, Sony has hit back-to-back home runs. The composite poly woofer and mid and tweeter cones deliver sound that's smooth, yet detailed. Efficient enough for low-powered systems.

Specifications: Frequency response 30-22,000 Hz; Max. watts 80 RMS/160 peak; Mounting depth: see p. 29.

Item #158XS69302 List Price: \$140

NEW LOW PRICE: \$89 pair

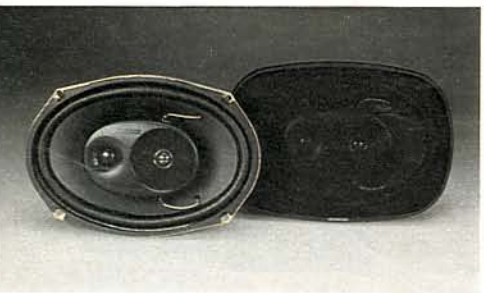
**Pioneer TS-A6905 6"x9"**

Pioneer's TS-A6905 Maxxials combine 3-way accuracy with Pioneer's road-tested reliability. The 2 1/2" cone midrange and dome tweeter offer the kind of smooth response you can listen to for hours. This sound is anchored by bass you'll feel as well as hear. Mounts from top or bottom.

Specifications: Frequency response 30-26,000 Hz; Max. watts 40 RMS/120 peak; Mounting depth: see p. 29.

Item #130TSA6905 List Price: \$168

YOUR LOW PRICE: \$99 pair

**Kenwood KFC-6962 / KFC-6972**

Take your pick. The 2-way KFC-6962 uses a water-resistant woofer and 2 1/2" cone tweeter to produce that clean, open Kenwood sound. Or go with the 3-way KFC-6972 if you prefer the extra sizzle of a ceramic tweeter.

Specifications: Freq. resp. 65-20,000 Hz; Max. watts 22/30 RMS; 75/100 peak; Mounting depth: see p. 29.

Item #113KFC6962 List Price: \$129

YOUR LOW PRICE: \$99 pair

Item #113KFC6972 List Price: \$159

YOUR LOW PRICE: \$129 pair (pictured)

**JBL T-900 6"x9"**

JBL's professional studio monitors are #1 worldwide, so their speaker technology is already an important part of your favorite recordings. Why not complete the chain with these affordable, no-nonsense coaxials? The polymer laminate woofer and pure titanium tweeter deliver clean sound, pure and simple. Made in USA.

Specifications: Frequency response 55-23,000 Hz; Max. watts 80 RMS/80 peak; Mounting depth: see p. 29.

Item #109T900 List Price: \$169

NEW LOW PRICE: \$99 pair

**Pioneer TS-A6907 6"x9"**

The composite poly woofer of Pioneer's 4-way TS-A6907 is driven by a hefty 17.6 oz. magnet for tight bass that really growls. Separate midrange, tweeter, and supertweeter drivers reproduce more accurately the differences among instruments and voices. Compatible with GM factory speaker housing.

Specifications: Frequency response 28-27,000 Hz; Max. watts 50 RMS/160 peak; Mounting depth: see p. 29.

Item #130TSA6907 List Price: \$192

YOUR LOW PRICE: \$119 pair



Infinity RS-6902 / 6903

Infinity's RS Series speakers are designed for budget-minded audiophiles who refuse to settle for ordinary sound. Both use a unique woofer laminated with Polycell foam. The 3-way RS-6903 offers greater musical accuracy and power handling.

Specifications: Freq. resp. 40-20k Hz/40-22k Hz; Max. watts 35 RMS/70 peak; Mounting depth: see p. 29.

Item #108RS6902 List Price: \$160

YOUR LOW PRICE: \$119 pair

Item #108RS6903 List Price: \$200

YOUR LOW PRICE: \$149 pair (pictured)



Kenwood KFC-6982 / 6992

These two 3-ways deliver powerful 6x9 sound—Kenwood style. The KFC-6982 has a coated-paper woofer, cone midrange and horn tweeter. The KFC-6992 produces deeper bass by using a poly woofer driven by a magnet that's 50% larger.

Specs: Freq. resp. 50-20k Hz/35-25k Hz; Max. watts 45/60 RMS; 150/200 peak; Mount. depth: see p. 29.

Item #113KFC6982 List Price: \$189

YOUR LOW PRICE: \$149 pair

Item #113KFC6992 List Price: \$239

YOUR LOW PRICE: \$199 pair (pictured)



Sony XS-6951 6"x9"

Sony's top-of-the-line 6x9 is a 3-way powerhouse. The poly woofer pumps out plenty of tight, quick bass. The 2" midrange and 1" tweeter are made of a polymer film material that produces very clean sound while resisting the heat, cold and moisture of the punishing car environment.

Specifications: Frequency response 28-25,000 Hz; Max. watts 70 RMS/140 peak; Mounting depth: see p. 29.

Item #158XS6951 List Price: \$240

YOUR LOW PRICE: \$159 pair



Pioneer TS-A6908 6"x9"

The 4-way TS-A6908 is tough enough to handle 200 watts of peak power. The woofer is driven by a beefy 22.6 oz. strontium magnet for taut, powerful bass. Mid and high frequencies are precisely handled by the 1" dome midrange, 7/8" dome tweeter, and dome supertweeter.

Specifications: Frequency response 28-30,000 Hz; Max. watts 50 RMS/200 peak; Mounting depth: see p. 29.

Item #130TSA6908 List Price: \$264

YOUR LOW PRICE: \$159 pair



Infinity 692-K / 693-K

Infinity takes a high-tech approach to car audio. Their 2-way 692-K combines a graphite-injected poly woofer with a proven Polycell mid/tweeter. The 3-way 693-K adds Infinity's planar/magnetic EMIT-K tweeter for spine-tingling highs.

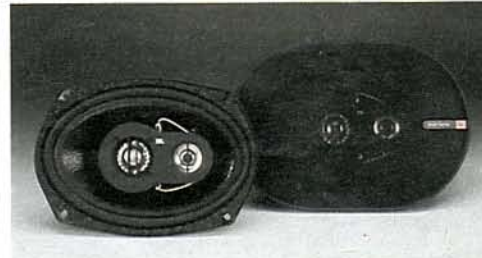
Specifications: Freq. resp. 34-22k Hz/34-45k Hz; Max. watts 35/50 RMS; 70/100 peak; Mount. depth: see p. 29.

Item #108692KAPP List Price: \$190

YOUR LOW PRICE: \$159 pair

Item #108693KAPP List Price: \$250

YOUR LOW PRICE: \$219 pair (pictured)



JBL T-903 6"x9"

JBL pulled out all the stops when they designed the 3-way T-903. The pure titanium 1/2" dome tweeter and 1" dome midrange produce silky-smooth mids and crystal-clear highs. The polymer laminate woofer is coupled to a massive 64-ounce magnet for excellent bass. Made in USA.

Specifications: Frequency response 55-27,000 Hz; Max. watts 120 RMS/120 peak; Mounting depth: see p. 29.

Item #109T903 List Price: \$279

YOUR LOW PRICE: \$199 pair



TOP MOUNT ONLY

JBL T-545 6"x9"

These cast-aluminum frame classics are still the only 6x9s that reproduce the excitement and realism of JBL's studio monitors. Each has a heavy-duty woofer, 2 1/2" midrange and dome tweeter. The oversized frame and magnet make them a good choice for deep pickup doors and roomy rear decks.

Specifications: Frequency response 40-18,000 Hz; Max. watts 100 RMS/100 peak; Mounting depth: see p. 29.

Item #109T545 List Price: \$349

YOUR LOW PRICE: \$249 pair



P

Pyle K-HP523 Plate

Here's the way to get Pyle's clean, hard-rocking sound in many limited-depth applications. The K-HP523 has a heavy-duty 5 1/4" poly woofer, a 1" dome tweeter, and a high quality crossover for sound as smooth as home speakers. Requires 4 7/8" cut-out. Made in USA.

Specifications: Frequency response 45-20,000 Hz; Max. watts 40 RMS/80 peak; Dimensions 8 3/4"W x 5 3/4"H x 1 1/4"D. Mounting depth: see p. 29.

Item #131KHP523A List Price: \$220

YOUR LOW PRICE: \$169 pair



P

Sony XS-PL55 Plate

Sony's stylish plate-mount has an unusual "twist." The angled polymer soft dome tweeter can be rotated to obtain the best imaging. The 5 1/4" polymer laminate woofer provides tight, accurate bass. Requiring only a 4 7/8" cut-out and 2" of depth, the XS-PL55 is a natural for snug doors and decks.

Specifications: Frequency response 40-22,000 Hz; Max. watts 50 RMS/100 peak; Dimensions 8 3/4"W x 5 3/4"H x 1 1/4"D. Mounting depth: see p. 29.

Item #158XSPL55 List Price: \$260

YOUR LOW PRICE: \$179 pair



Pioneer TS-X100/TS-X200

For great sound in installations where flush-mounting isn't an option, Pioneer surface mount speakers offer exceptional performance for the money. Both models include 4" poly woofers and and horn tweeters in sculpted bass reflex enclosures. TS-X200 adds 2 1/4" cone midranges.

Specifications: Frequency response 80-20k Hz/65-30k Hz; Max. watts 20 RMS; 60/80 peak. Dim: see p. 29.

Item #130TSX100 List Price: \$126

YOUR LOW PRICE: \$69 pair

Item #130TSX200 List Price: \$162

YOUR LOW PRICE: \$89 pair



Pioneer TS-X300

Pioneer continues to lead the way in surface-mount design. The 4-way TS-X300 is their best, using an air-tight cabinet made from high density compound resin. The 4" x 5 1/2" flat honeycomb woofer gives you plenty of rich, accurate bass. A 2 1/4" cone midrange and horn tweeter and super-tweeter do the rest.

Specifications: Frequency response 50-30,000 Hz; Max. watts 40 RMS/120 peak; Dim: 14 3/8"W x 5 1/2"H x 6 3/4"D.

Item #130TSX300 List Price: \$258

YOUR LOW PRICE: \$149 pair



Bose 121

Now you can hit the road with superb Bose sound. The 121 Mobile Monitor uses the same Helical Voice Coil technology found in the acclaimed 901 home speaker. The single rugged, high-performance driver works in the dual-tuned-port, bass-reflex enclosure for punchy, full-range sound. Includes sturdy metal brackets.

Specifications: Maximum power 100 watts; Dimensions 9"W x 6"H x 6"D.

Item #018121MM

YOUR PRICE: \$199 pair

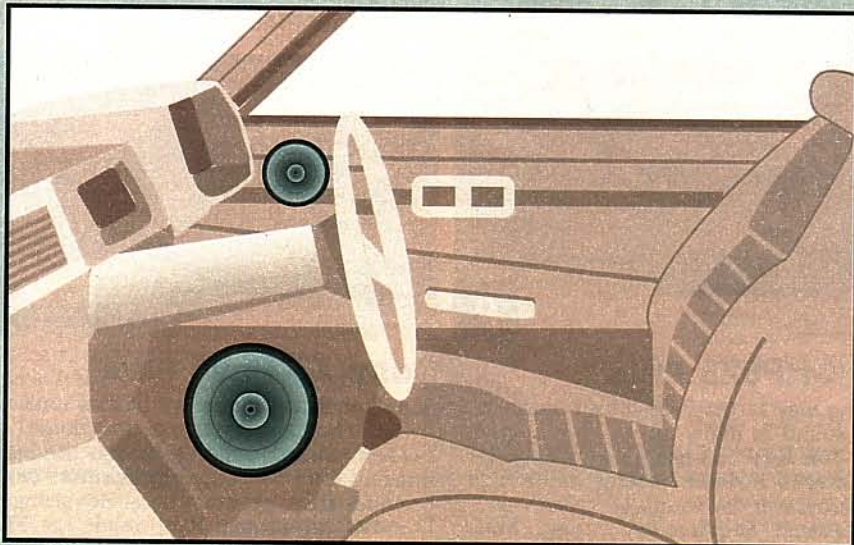
Consumer Tip

Pre-matched component speaker systems

Component systems are capable of home speaker sound quality because like home speakers, they use separate drivers (woofers, midranges and tweeters in a 3-way system; woofers and tweeters in a 2-way system) and true crossover networks. These pre-matched systems are designed by engineers who carefully select the drivers and crossovers to work together as a system, matching frequency response and roll-off, power handling, linearity and sensitivity. This audio expertise comes to you in one neat package, complete with grilles, wire and mounting hardware.

Two-way systems like the Infinitys (see next page) are becoming especially popu-

lar. If you have room for 4", 5 1/4" or 6 1/2" speakers in your front doors or rear deck, chances are you can upgrade to one of these systems. Since the tweeters can be surface-mounted, you'll only need to drill one small hole per tweeter, to run the wire. Because the woofer and tweeter are able to reproduce their frequencies without interference from each other, the overall sound "opens up". It's much easier to hear the complex ways that voices and instruments interact. And having a true crossover to direct frequencies to the correct driver makes for greater accuracy and realism. Pre-matched systems really need the clean power of a separate amplifier to sound their best.



Installing a matched component system requires a little more work than a basic flush-mount speaker, but the sound quality is far superior.



Kenwood KFC-P204 / -P205 / -P206

You don't listen to coaxial speakers at home and you don't have to in your car. Not when you can choose from affordable matched systems like these Kenwoods, that sound great and are easy to install. All three systems use a 1" "balanced dome" tweeter, a dome inside a cone, for smooth, detailed sound with excellent dispersion. The tweeters can be flush- or surface-mounted. All three systems use a paper cone mid/woofer, 4" for the KFC-P204, 5 1/4" for the KFC-P205, and 6 1/2" for the KFC-P206. Each system also includes a pair of in-line crossovers. On the KFC-P204 and KFC-P205, you can run the mid/woofers through the crossover, or just let them roll off naturally. Warranty: 1 year.

KFC-P204 Specifications: Frequency response 65-20,000 Hz, Max. watts 50 RMS/150 peak. Mounting depth: (woofer) 1 1/8", (tweeter) 7/8". Sensitivity 89 dB.

Item #113KFCP204 List Price: \$199

YOUR LOW PRICE: \$169 pair

KFC-P205 Specifications: Frequency response 60-20,000 Hz, Max. watts 50 RMS/150 peak. Mounting depth: (woofer) 2 1/8", (tweeter) 7/8". Sensitivity 90 dB.

Item #113KFCP205 List Price: \$229

YOUR LOW PRICE: \$189 pair

KFC-P206 Specifications: Frequency response 50-20,000 Hz, Max. watts 50 RMS/150 peak. Mounting depth: (woofer) 1 3/4", (tweeter) 7/8". Sensitivity 90 dB.

Item #113KFCP206 List Price: \$249

YOUR LOW PRICE: \$209 pair



Infinity CS-4 / CS-5 / CS-6

Combining terrific sound quality with installation ease and flexibility, Infinity's 2-way matched component systems are the best thing to happen to car speakers in a long time. We've found them to be especially effective when installed in the front doors. By physically separating the tweeter and woofer and positioning the tweeter high on the door, closer to ear level, the sound really opens up. You'll hear *major* improvements in detail, clarity, dynamics and imaging.

You've probably noticed that most car systems, even very good ones, generate a rear soundstage. By using the angled spacers supplied with Infinity's tweeters you can precisely aim high frequencies to achieve a front soundstage, where voices and instruments seem to come from the windshield area. It's a pretty cool effect.

All three systems share the same 1" Polycell dome tweeter. It's compact, but packs a wallop thanks to its powerful neodymium magnet. All three systems use mid/woofers with cones made of graphite-injected polypropylene for tight, clean sound. The CS-4's mid/woofer is what we call a 5", slightly larger than a standard 4" speaker. The CS-5 uses a 5 1/4" and the CS-6 has a 6 1/2" version. The systems include separate crossover modules for right and left channels, with 3-way adjustable tweet-er level.

CS-4 Specifications: Frequency Response 100-22,000 Hz; Max. watts 20 RMS/40 peak; Sensitivity 88 dB; Mounting depth (woofer) 2".

Item #108CS4 List Price: \$230

YOUR LOW PRICE: \$199 pair

CS-5 Specifications: Frequency Response 85-22,000 Hz; Max. watts 25 RMS/50 peak; Sensitivity 88 dB; Mounting depth (woofer) 2 1/4".

Item #108CS5 List Price: \$250

YOUR LOW PRICE: \$219 pair (pictured)

CS-6 Specifications: Frequency Response 58-22,000 Hz; Max. watts 30 RMS/60 peak; Sensitivity 90 dB; Mounting depth (woofer) 3 1/4".

Item #108CS6 List Price: \$280

YOUR LOW PRICE: \$239 pair

Polycell tweeters only (crossovers included).

Item #108PCELL **YOUR PRICE: \$119 pr.**

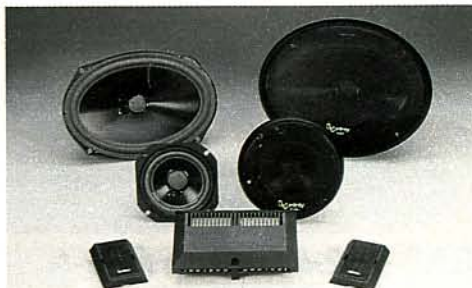
MTX QT-1 Tweeters

This quick-mount tweeter kit includes a pair of surface-mount 3/4" fluid-cooled dome tweeters complete with 12 dB/octave crossovers. Each wedge-shaped tweeter module pivots forward for better imaging.

Specifications: Frequency response 5,000-20,000 Hz, Maximum power 60 watts. Dim. 2 3/4"W x 2 3/4"L x 1 1/2"D.

Item #236QT1 List Price: \$70

YOUR LOW PRICE: \$49 pair



Infinity CS-1A

Enjoy home stereo quality in your car with the CS-1A 3-way component system. Separate 6x9 graphite-injected poly woofers pump out hard-hitting bass. Similar 4" drivers bring those crucial midrange frequencies to life. The latest EMIT-N ultralight tweeters with dual neodymium magnets let the highs shine through in all their brilliance—to 45,000 Hz! With the versatile crossover network, feel free to bi-amp or even tri-amp your Infinitys. You'll have concert sound with a front row seat!

Specifications: Frequency Response 34-45,000 Hz; Max. power 70 watts. Mounting Depth: (woofer) 3 1/4", (midrange) 1 1/2", (tweeter) surface mount.

Item #108CS1A List Price: \$440

YOUR LOW PRICE: \$379 pair



MDS Tweeters

Very high-quality tweeters, these two models from MDS are ideal for adding onto a factory system. They have an internal crossover (6dB @ 6kHz) and can be wired in parallel directly from existing speakers. A new thermal overload device limits power to the tweeter when it senses significant distortion. The model ST-30 is the smallest enclosure on the market. Recommended locations are the upper corners of your windshield or on the windshield pillars. The model ST-45 can be rotated within its housing to achieve optimal imaging. Super secure mounting adhesive included.

Specifications: Frequency Response 6,000-20,000 Hz, Max. power 40 watts, Sensitivity 90 dB. Dimensions: (S-30) 1 1/4" diameter x 1"D; (S-40) 2 1/4" square x 1"D.

Item #152ST30

YOUR LOW PRICE: \$69 pair

Item #152ST45

YOUR LOW PRICE: \$69 pair



It is refreshing to know there is an electronics retailer that you can trust. Thanks Crutchfield!

Peter S.
Environmental Technician
Ann Arbor, Michigan



Cerwin-Vega CMT-5

The CMT-5 is a perfect component system for use with a subwoofer. Its high fidelity 5 1/4" midrange speakers and flush-mount dome tweeters deliver superb Cerwin-Vega sound. This system includes bass blockers to keep damaging frequencies below 80 Hz from reaching the midrange drivers, and a 4000 Hz high pass (18 dB per octave) crossover that runs in line between mids and tweeters. Easy hookup, high sensitivity and power handling make this a system of choice.

Specifications: Frequency response 80-20,000 Hz; Max. power 45 watts; Sensitivity 95 dB; Mounting depth: (mid) 2 1/4", (tweeter) 3/4" w/2 1/4" cutout.

Item #050CMT5 List Price: \$200

YOUR LOW PRICE: \$169 pair



Sony XS-HL45

This outstanding Sony system offers flexibility, great sound quality, and a really terrific price. A high energy strontium magnet combines with a 5 1/4" polypropylene cone for mid/woofers that really perform. The bass is solid without being boomy, and the midrange is smooth and natural. Its two 1" soft dome tweeters produce detailed clarity and come with snap-on angled trim rings to precisely aim those high frequencies for optimum listening. Both tweeters and mid/woofers include stylish black metal grilles and attractively textured frames. Separate high-quality, 12 dB/octave crossovers are provided for each channel. (XS-H4 tweeters with trim rings and XS-L5 mid/woofers available separately, see below).

Specifications: Frequency Response 40-22,000 Hz (XS-H4 3,500-22,000 Hz/XS-L5 40-10,000 Hz), Max. Power 120 watts, Sensitivity 88 dB. Mounting depth (mid/woofer) 2 1/2".

Item #158XSHL45 List Price: \$280

YOUR LOW PRICE: \$199 pair

Item #158XSH4 List Price: \$110

YOUR LOW PRICE: \$69 pair

Item #158XSL5 List Price: \$155

YOUR LOW PRICE: \$99 pair



SAS Bazooka Subwoofers

The Bazookas' revolutionary design uses dual cylinders loaded with high-powered woofers to put deep bass in hatchbacks, pickups and vans. These computer-aligned bass-reflex systems work best when mounted 3-4" from the rear corners of your vehicle. Mounting hardware is included. Bazookas work very well alone, but they perform best when used with an electronic crossover, or with SAS's CP2 listed below. These super-efficient tubes can produce 98 dB sound levels from a 1 watt input! Warranty: 1 year. Made in USA.

6½" Bazookas—Frequency response 39-1500 Hz, Max power 100 watts each. Dim: 18"L x 8¼"H x 6¾"W.

Item #204BAZOOKA List Price: \$219

YOUR LOW PRICE: \$189 pair (pictured)

8" Bazookas—Frequency response 39-1500 Hz, Max. power 150 watts each. Dim: 18"L x 10"H x 8¾"W.

Item #204SAST82 List Price: \$299

YOUR LOW PRICE: \$259 pair

10" Bazookas—Frequency response 39-1500 Hz, Maximum power 200 watts each, Sensitivity 102 dB. Dimensions 22½"L x 12½"H x 10¾"W. Can also be adapted to function as a slave unit for 10" Amplified Bazooka.

Item #204SAST102 List Price: \$209 each

YOUR LOW PRICE: \$179 each

SAS CP2 Passive Crossover—2-way 120 Hz crossover, 12dB/oct. low pass, 6dB/oct. high pass.

Item #204CP2 List Price: \$89

YOUR LOW PRICE: \$69



Kicker SS-CTF **NEW**

Designed to be a perfect fit in the rear of Camaros, Trans Ams and Firebirds, this new SS version includes major improvements. You get two 10" long-throw copolymer woofers, two 2x6" midrange horns, and two ½" dome tweeters. And the unique enclosure design offers several bass tuning options. With the included "bass contour adapters" in place, the SS-CTF enclosure functions like a sealed box. Remove one or both adapters and enjoy the increased efficiency of a vented system. So whether you prefer the tight, low bass of a sealed box or the slam of a bass-reflex design, the SS-CTF has it. (Not recommended for models with a rear-window wiper.)

Specifications: Frequency response 25-21,000 Hz; Max. watts 60 RMS/200 peak. Dimensions: 40½"W x 12½"H x 13½"D. Warranty: 1 year. Made in USA.

Item #206SSCTF List Price: \$479

YOUR LOW PRICE: \$379



SAS T62-A/T82-A/T102-A Amplified Bazookas

Adding a subwoofer to your car's factory or after-market system is no problem with these Amplified Bazookas. They combine the advantages of that familiar Bazooka bass tube speaker with a built-in 40-watt mono amplifier and adjustable low-pass crossover. The T62-A contains a hard-hitting 6½" driver, the T82-A holds a larger 8", and the T102-A houses a hefty 10" woofer. These Bazookas have both speaker-level and preamp-level inputs, and high-level output. They'll stand alone or can be run in line with another pair of speakers. The electronic crossover is adjustable from 50-250 Hz, so you can hear your bass just the way you like it...full, deep and cranking! The non-amplified Bazooka Slave Units let you double your bass by adding a second Bazooka tube. When added, the Slave Unit drops your Amplified Bazooka's amplifier to a 2-ohm load, delivering 40 watts to each bass tube. Made in U.S.A.

Specifications: Frequency Response 20-250 Hz (±1dB); 40 watts mono into 4 ohms, THD 0.05%; Crossover frequency variable from 20-250 Hz with a slope of 12 dB per octave; Sensitivity: 100 dB for T-62A, 102 dB for T-82A, 104 dB for T-102A. Warranty: 1 year.

6½" Item #204SAST62A List Price: \$299

YOUR LOW PRICE: \$269

Slave Unit Item #204SAST62S

List Price: \$129 **YOUR LOW PRICE: \$109**

8" Item #204SAST82A List Price: \$349

YOUR LOW PRICE: \$299

Slave Unit Item #204SAST82S

List Price: \$169 **YOUR LOW PRICE: \$149**

10" Item #204T102A List Price: \$399

YOUR LOW PRICE: \$349



Kicker Compact Subs

Shallow enough to fit under your front seats, these subwoofers are designed to enhance your low bass. The Compact Subs won't rattle the windows, but they fill out the bottom end of music in a way that's very satisfying. If you don't want to cut holes for 12" woofers or mount them in your trunk, installing a pair of Compact Subs under your seats may be the next best thing. Each has a 5" long-throw woofer coupled to a 5¼" passive radiator. Crossover recommended. Made in USA.

Specifications: Frequency response 40-3500 Hz, Maximum power 75 watts each, sensitivity 91 dB. Dimensions: 13¼"W x 9¼"L x 3"D.

Item #206COMPACT List Price: \$229

YOUR LOW PRICE: \$189 pair



KSC-7701

Kenwood KSC-7701 / KSC-8801 / KSC-9901

These quality Kenwood speaker systems are designed to bring the best out of any truck or hatchback audio system. All three systems have two major things in common: they're built to handle power and deliver superb sound quality with deep, taut bass, naturally detailed midrange, and crystal-clear highs.

The KSC-7701 hatchback speaker is a powerful 3-way system built into a single bass-reflex enclosure. It includes two whopping 10" woofers, dual 3½" cone midranges, and a pair of 2" cone tweeters. Its sturdy cabinet is designed with a specially-angled, space-saving shape, heavy-duty grilles, and built-in handles.

KSC-7701 Specifications: Frequency Response 35-20,000 Hz; Max. watts 100 RMS/200 peak. Dim: 31½"W x 11"H x 16¼"D. Warranty: 1 year.

Item #113KSC7701 List Price: \$299

YOUR LOW PRICE: \$249



KSC-8801

The KSC-8801's two separate enclosures fit neatly behind the seats of pickup trucks. Each is a 2-way bass-reflex design with an 8" woofer, an up-firing 2" cone tweeter, and a tweeter circuit protector. Built to withstand rough treatment, the rugged carpet-covered enclosures are made of high-density particle board, and include metal grilles and side grip handles.

KSC-8801 Specifications: Frequency Response 50-20,000 Hz; Max. watts 70 RMS/150 peak. Dimensions: 18¼"W x 13¾"H x 6½"D. Warranty: 1 year.

Item #113KSC8801 List Price: \$249

YOUR LOW PRICE: \$199 pair



KSC-9901

Kenwood's KSC-9901 truck system uses the same strong anti-vibration design. Each enclosure houses a dynamic 3-way system, with a 10" woofer, 3½" midrange driver, and 2-inch cone tweeter. You demand it—Kenwood supplies it!

KSC-9901 Specifications: Frequency Response 40-20,000 Hz; Max. watts 100 RMS/200 peak. Dim: 19¾"W x 13¾"H x 6½"D. Warranty: 1 year.

Item #113KSC9901 List Price: \$299

YOUR LOW PRICE: \$249 pair



Pioneer TS-TRX40

For great sound when the going gets tough, try Pioneer's best-selling TS-TRX40. The injection-molded, bass-reflex enclosures are as rugged as they are good looking. Each contains a 5" poly woofer and a 2 1/4" cone tweeter, all protected by a handsome metal mesh grille. Includes mounting hardware.

Specifications: Frequency Response 75-23,000 Hz; Max. watts 35 RMS/100 peak. Dimensions: 11 1/4" W x 7 1/2" H x 4 1/4" D. Warranty: 1 year.

Item #130TSTRX40 List Price: \$198
YOUR LOW PRICE: \$99 pair



Pioneer TS-TRX50

If you want more punch from your truck system, you want Pioneer's Truck Riders. Each tough enclosure holds a 5 1/4" carbon fiber blended poly woofer, a bass reflex port, and a 2 1/4" cone tweeter. The TS-TRX50s are a snap to install with the included hardware.

Specifications: Frequency Response 65-23,000 Hz; Max. watts 40 RMS/120 peak. Sensitivity 90 dB. Dimensions: 13" W x 8 1/2" H x 5" D. Warranty: 1 year.

Item #130TSTRX50 List Price: \$276
YOUR LOW PRICE: \$149 pair



Jensen JTE-630 / JTE-830

Designed for pickups, vans, and RVs, these mobile speakers are powerful reminders of Jensen's car audio expertise. Each of the JTE-630's enclosures combines a 2 1/2" cone tweeter, 6 1/2" long-throw woofer, and a bass-enhancing reflex port for dynamic Jensen sound. The larger JTE-830 includes an 8" woofer for deeper bass that really kicks. Both models offer quick disconnect terminals and vinyl handles for convenient portability, and heavy-duty gray carpeting for rugged durability. Made in USA.

Specifications: Frequency Response 75-25,000 Hz/60-25,000 Hz; Max. watts 50/80 RMS; 150/200 peak. Dimensions: (JTE-630) 16" W x 10" H x 5" D; (JTE-830) 18" W x 13" H x 6 1/4" D. Warranty: 1 year.

Item #110JTE630 List Price: \$170
YOUR LOW PRICE: \$129 pair (pictured)
Item #110JTE830 List Price: \$250
YOUR LOW PRICE: \$159 pair



Pioneer TS-TRX60

With the stylish looks of the TS-TRX60, it's almost a shame to mount them behind the seat, where they can't be seen. Each rugged compound resin enclosure contains two 6 1/2" poly cones, one a woofer, the other a bass-enhancing passive radiator. High frequencies are handled by a new hard-dome tweeter. Mounting hardware included.

Specifications: Frequency Response 55-24,000 Hz; Max. watts 50 RMS/150 peak; Sensitivity 91 dB. Dimensions: 16 1/2" W x 11 1/4" H x 6" D. Warranty: 1 year.

Item #130TSTRX60 List Price: \$360
YOUR LOW PRICE: \$199 pair



Pioneer TS-TRX70

These are Pioneer's biggest and best-sounding pickup boxes yet. The tough, molded compound-resin cabinets can be bounced around and keep sounding great. Each bass reflex enclosure includes an 8" woofer, an 8" passive radiator for bass reinforcement, and a 1" fluid-cooled dome tweeter mounted on top to help high frequencies spread out.

Specifications: Frequency response 45-20,000 Hz; Max. watts 50 RMS/200 peak; Sensitivity 90 dB. Dimensions: 18 1/4" W x 12 3/4" H x 7 1/2" D. Warranty: 1 year.

Item #130TSTRX70 List Price: \$480
YOUR LOW PRICE: \$279 pair



I am a natural car stereo freak, and all of your consumer guides are incredibly helpful and informative. I've used them to install 12 stereos, 17 pairs of speakers, 5 amplifiers, an equalizer, and 7 alarms. Thank you Crutchfield!

**Russ G.
Student
Smyrna, GA**



Ultimate M82 S

For all-around great sound, try this affordable two-piece Ultimate truck system. It has 8" poly laminate woofers, 3 3/4" piezo tweeters, and bass-enhancing tuned reflex ports. Like all of Ultimate's enclosures, the M82 S boxes are carpet-covered so that even if they're banged around, they won't mar your vehicle's finish. Made in USA.

Specifications: Frequency Response 50-20,000 Hz; Max. watts 75 RMS/150 peak; Sensitivity 93 dB. Dimensions: 16" W x 11 1/2" H x 6" D. Warranty: 1 year.

Item #132M82S List Price: \$225
YOUR LOW PRICE: \$149 pair



Ultimate M103 S

For dynamic 3-way precision, load these monsters behind the seats of your truck. Each enclosure includes a 10" poly woofer, 5" midrange, and a 3 3/4" piezo tweeter. Tuned ports enhance bass. Check dimensions to be sure they'll fit. Made in USA.

Specifications: Frequency Response 30-25,000 Hz; Max. watts 80 RMS/200 peak; Sensitivity 93 dB. Dimensions: 19" W x 15" H x 7" D. Warranty: 1 year.

Item #132M103S List Price: \$390
NEW LOW PRICE: \$229 pair



Ultimate M8 HB / M10 HB

These 2-way hatchback systems will add real excitement to your music listening. For snug fits, try the 28" wide M8 HB. Two 8" poly laminate woofers are combined with a bass-reinforcing ported design for deep low end. Your highs will shimmer with the two 3 3/4" piezo tweeters. The larger M10 HB shelters a pair of monstrous 10" woofers and piezo horns. Made in USA.

Specifications: Frequency Response 40-25,000/30-25,000 Hz; Max. watts 80/100 RMS; 150/200 peak; Sensitivity 93 dB. Dimensions: 28" W x 12" H x 12 1/2" D; (M10HB) 31 1/2" W x 14" H x 14 1/2" D. Warranty: 1 year.

Item #132M8HB List Price: \$280
YOUR LOW PRICE: \$199
Item #132M10HB List Price: \$350
YOUR LOW PRICE: \$249



Do-it-yourself Box Accessories

Your custom speaker boxes will have the professional edge with these functional and great-looking accessories.

Port Tube (2" Diameter x 2½"L)

Item #07741342 **YOUR PRICE: \$2 ea.**

Port Tube (2¾" Diameter x 4¾"L)

Item #056PT3G **YOUR PRICE: \$3 ea.**

Port Tube (2¾" Diameter x 5"L)

Item #07741344 **YOUR PRICE: \$3 ea.**

Quick Disconnect Speaker Terminals

Item #056STA2 **YOUR PRICE: \$2 ea.**

Plastic Molded Inset Handle

Item #056H1006 **YOUR PRICE: \$2 ea.**

10" Flexible Rubber Handle

Item #056SH01 **YOUR PRICE: \$4 ea.**

Poly-Fill Speaker Filler

Building your own speakers? For high quality sound, fill the cabinets with this special Dacron Hollofil® polyester fiberfill. It improves frequency response by effectively reducing undesirable standing waves inside the cabinet. It also helps control cone movement, so bass frequencies will sound cleaner. Acoustic Poly-Fill goes a long way, too. A 1-pound package fills approximately 2 cubic feet of space!

Item #027808 **YOUR PRICE: \$8 (1 lb.)**



Utility Carpet

If you want the speaker enclosures you build to stand up to abuse while looking great, cover them with this rugged automotive-grade carpeting. A durable combination of polypropylene fiber and polyester/nylon blends, this carpet is easy to cut, mold, and fit to the desired shape, and it won't unravel. It's also easy to clean. Excellent for truck boxes, PA gear, etc. This pre-packaged carpet is 54" wide x 3 yards in length.

Item #186BLACK Black
Item #186MEDGRAY Gray
YOUR LOW PRICE: \$19

Acoustic Foam

This special polyester urethane Acoustic Foam is a cost-effective way to tighten up muddy bass caused by "standing waves," reduce excessive brightness, and restore details smeared by mid-to-high frequency reflections. Apply to wall surfaces near your speakers with adhesive or double-sided tape, or attach to moveable panels. Dimensions 27"W x 84"L x 2"D.

Item #225FOAM **YOUR PRICE: \$39/sheet**



XTC Acoustic Baffles

Protect your speakers from water and dust with XTC acoustic baffles. They compress easily to fit installation area. Use slim-lines for speaker depth of 2" or less.

Item #237XT40 for 4" speakers **\$6/pr.**

Item #237XT42 for 4" slim-lines **\$6/pr.**

Item #237XT46 for 4"x6" speakers **\$7/pr.**

Item #237XT41 for 4"x10" speakers **\$8/pr.**

Item #237XT55 for 5¼" speakers **\$6/pr.**

Item #237XT52 for 5¼" slim-lines **\$6/pr.**

Item #237XT57 for 5"x7" speakers **\$8/pr.**

Item #237XT60 for 6½" speakers **\$8/pr.**

Item #237XT62 for 6½" slim-lines **\$8/pr.**

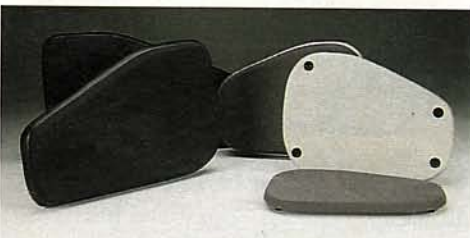
Item #237XT69 for 6"x9" speakers **\$8/pr.**

Item #237XT92 for 6"x9" slim-lines **\$8/pr.**

Item #237XT80 for 8" speakers **\$9/pr.**

Item #237XT10 for 10" speakers **\$9/pr.**

Item #237XT12 for 12" speakers **\$12/pr.**



Custom Speaker Grilles

If you're installing a component speaker system, these custom panels and grilles will make your job neat and easy. Constructed from high density particle board, the gray or black vinyl-covered panels are contoured to blend in neatly with your vehicle's doors. Assembly is a breeze: just cut each custom panel to accommodate the drivers you've selected, attach it to your door panel, and snap on the matching fabric-covered grille. Available in two sizes, each accommodates a speaker up to 6½" in diameter and a tweeter. Maximum dimensions: (Model 250) 8½"W x 1½"H x 11¾"L; (Model 350) 9¼"W x 1½"H x 15"L. Made in USA. *Prices are per pair.*

Item #186250GR Gray **YOUR PRICE: \$44**

Item #186250BK Black **YOUR PRICE: \$44**

Item #186350GR Gray **YOUR PRICE: \$49**

Item #186350BK Black **YOUR PRICE: \$49**

Speaker Design Book

For detailed explanations of the theories behind the enclosure types (sealed box, bass reflex, etc.) plus an introduction to the physics, math, and acoustics that apply to speaker design, you need an expert. You need David Weems, whose

Great Sound Stereo Speaker Manual has the information you need to build great speakers.

Item #2233274 **YOUR PRICE: \$15**



A.D.D. Metal Grilles (Waffle Style)

Finish off your newly-designed speakers with these tough grilles. They attach with clamps for front or rear mount installation (a 4-pack is required for each grille).

Item #010G8 8" **\$6 each**

Item #010G10 10" **\$8 each**

Item #010G12 12" **\$10 each**

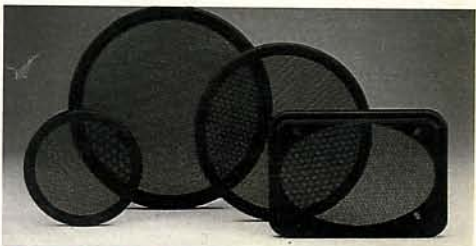
Item #010G15 15" **\$12 each**

Clamps for rear/bottom mounting

Item #010CLR **\$2 4-pack.**

Clamps for front/top mounting

Item #010CLF **\$3 4-pack**



Metal Grilles (Mesh Style)

Protect your speakers with these attractive and sturdy metal grilles. The right size is available for most speakers.

Item #132MGR4045 4½" **\$5 ea.**

Item #132MGR525 5½" **\$6 ea.**

Item #132MGR6050 6½" **\$8 ea.**

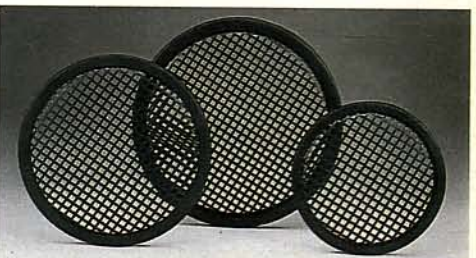
Item #132MGR80 8" **\$8 ea.**

Item #132MGR69 6 x 9" **\$8 ea.**

Item #132MGR10 10" **\$9 ea.**

Item #132MGR12 12" **\$14 ea.**

Item #132MGR15 15" **\$25 ea.**



Metal Grilles (Waffle Style)

These grilles add rugged good looks to any installation, especially in pickups, vans, and 4x4s. Mounting ring included.

Item #132AG6 6½" **\$8 ea.**

Item #132AG8 8" **\$10 ea.**

Item #132AG10 10" **\$12 ea.**

Item #132AG12 12" **\$14 ea.**

Item #132AG15 15" **\$25 ea.**

Any Questions?
Call toll-free: 800-446-1640



6x9 Speaker Boxes

For pickups, vans, or any application where you want 6" x 9" sound but lack the space, these enclosures from Audio Dynamics Design are the answer. Constructed of high-density particle board, and hand-glued and assembled in the USA, these enclosures are built to last. Gray exterior carpeting resists scratches and dents. Convenient spring-clip speaker terminals and built-in carry handles are included. Standard-size wedge-shaped boxes are designed for use with top-mount 6x9s only. The taller Truck Style boxes have removable backs that permit use with either top- or bottom-mount speakers. Dim: (Standard-size) 11"W x 5"H x 7"D; (Truck Style) 12"W x 12½"H x 6½"D. Lifetime warranty.

Standard Item #010ADD6X9M
YOUR PRICE: \$39/pair

Truck Style Item #0106X9PLUS
YOUR PRICE: \$39/pair



Subwoofer Boxes by Audio Dynamics Design

If you're building a subwoofer system for your truck, van, hatchback or RV, we have the specially designed enclosures to make your job much easier. They use Audio Dynamics Design's same quality construction (see description at left). Truck Style Boxes: ADD 21-10 boxes have cut-outs for 10" drivers; ADD 21-12 are designed for 12". Dimensions: (both models) 21¼"W x 14¼"H x 6½"D.

Hatchback Style Boxes hold two woofers each and use bass-reflex design. ADD 305-10 has cut-outs for 10" woofers; ADD 345-12s hold 12" drivers; ADD 425-15 holds two 15" woofers. Dimensions: (305-10) 30¼"W x 13¾"H x 11½"D; (345-12) 34½"W x 14"H x 12½"D; (425-15) 41½"W x 18½"H x 17" D. Lifetime warranty.

Hatchback Style Box pictured.

Truck Boxes Item #010ADD2110
YOUR PRICE: \$69 pair

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Hatchback Box Item # 01030510
YOUR PRICE: \$79

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YOUR PRICE: \$119

Call us toll-free for recommended woofers: **800-446-1640**



Accurate product descriptions, quick delivery, large quality selection, 30-day return period, and thoughtful considerate advice have earned you repeat orders from me year after year.

William L., Physician, New Orleans, Louisiana

As a student with a limited amount of time and money, Crutchfield gave me the ease, insight, and the right price range to purchase my stereo system.

Nate G., College Student, Wooster, Ohio

Consumer Tip

What Is A Component Driver?

A component driver is a speaker that is responsible for reproducing a particular portion of music—a subwoofer, a midrange, or a tweeter, for example. Because they are designed to reproduce only a portion of the music, component drivers must be used together as a team to produce a balanced musical spectrum. Therefore, if you are purchasing a subwoofer, make sure that you already have, or plan to purchase, a midrange driver and a tweeter.

To Design A System Using Component Drivers:

1. Take time to plan your system: estimate how much modification, if any, your car will require for the installation, make sure your budget includes all of the needed components, and be patient with the installation. Keep in mind that the more time you spend properly doing the installation, the better it will look and sound when finished.
2. Make sure that the components you've chosen will fit. The amount of room in your car determines how much equipment can go into it. The more time and effort you have to spend squeezing the components into the available space, the more difficult the installation will be.
3. Does your system include subwoofers? If so, make sure your budget allows for the additional subwoofer amplifier(s). Are you going to install free-air subwoofers (the easiest), or are you going to build enclosures? Pre-made enclosures can save you time and sound great, too. On the other hand, your own enclosure design will look like more of a custom fit in your car, while providing that special sense of satisfaction that comes with building something with your own two hands.
4. Are you going to build a system using passive crossover networks, or active electronic networks? Crutchfield strongly recommends

Component Driver Systems

the use of electronic crossovers: you will have more adjustment capability, better transient response, better damping (control of the speaker cone movement), and more headroom (reserve power).

5. Make sure you keep your system balanced. Why use the least expensive tweeters with the most expensive subwoofers? This system's sound quality will be compromised by the tweeter's sound quality.

Work towards a quality target by first matching specifications between the drivers. Then choose components within this group that are at the same relative price level. This method of matching will give your system an overall quality target with all components working with one another to produce a consistent balance of sound.

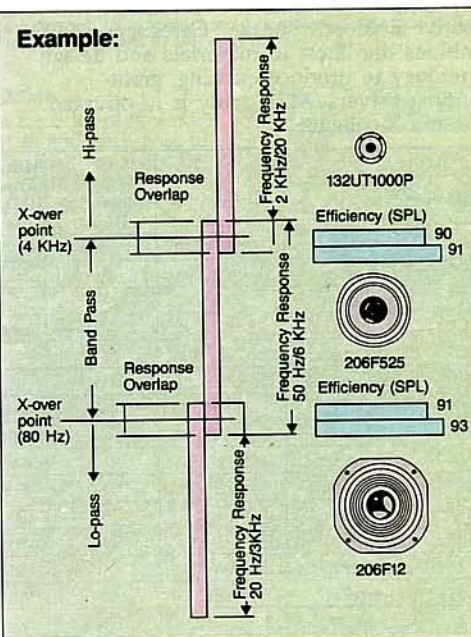
Matching Drivers:

1. Make sure the frequency response of the drivers will overlap properly.
 2. Match the efficiency of the drivers. 2 or 3 dB is about the maximum difference allowable for passive systems. Active systems can handle drivers with 5 or 6 dB difference in efficiency.
 3. Make sure all of the drivers can handle the power from the amplifiers that you have chosen. Don't exceed a tweeter's maximum power handling capacity by more than 10%, midrange drivers by more than 15%, and subwoofers by more than 20%.
- Always try to use an amplifier which is rated at more than half the speaker's maximum power handling capacity—this will keep distortion within the system to a minimum.
- As an example, suppose you have chosen a Kenwood KFC-W212 subwoofer. This driver is rated to handle 150 watts of RMS power. Make sure your amplifier puts out at least 75 watts RMS, but don't use one with more than about 180 watts RMS (20% more than the maximum

power handling capacity).

6. Do a quick sketch of your system on paper to make sure you haven't left out any components or accessories, such as wiring.

7. Take an afternoon or evening to read "The Installation Doctor" and "The Installation Specialist". Both of these Crutchfield publications will make your installation go much easier, help you avoid common pitfalls, and give you tips on making your system sound as good as possible. Take some quick notes, then go out to your car and have fun!





Cerwin Vega

For a look at the true strength of these woofers you've got to look behind them, at the basket. That's where you'll find the heavy-duty cast aluminum frames used on every XL-series Cerwin-Vega woofer. Unlike steel-framed baskets, aluminum baskets dissipate the heat that is generated by the voice coil/magnet assembly, so the speaker will last longer. The strength of the die-cast aluminum allows the tolerances within the voice coil gap to be extremely tight. This creates a highly focused magnetic field resulting in increased sensitivity and higher power handling. Add Cerwin-Vega's new lightweight, high-strength cone material and you've got one serious subwoofer.



MTX

With over twenty years' experience in building exceptional-sounding drivers, MTX's presence is always evident, from consistent showings in the winners' circles at competitions to a three-year run as Product Of The Year in Audio/Video magazine's Auto Sound Grand Prix Awards (Automotive Enclosed Speaker Category)! MTX combines the latest in materials and design technology to produce exciting, great-sounding drivers. MTX truly is M-otivated Towards X-cellence!



Kenwood

One of the most respected names in mobile electronics brings their expertise to two high performance free-air subwoofers. Using four-layer voice coil windings, polyamide voice coil formers, and a non-porous woofer chamber, these drivers succeed in delivering high-quality, low-distortion sub-bass punch. Kenwood quality and attention to detail are evident throughout these exciting drivers.



Pioneer

The power of Pioneer comes through in these free-air offerings. The injection-molded cones of these drivers are ultra-precise in design and function. The molding process allows the cone to be shaped so that rigidity is achieved through a careful balance of the curvature and thickness of the cone. Beneath the beautiful cones are the latest advances: Long-throw voice coil/pole piece geometry, vented pole piece, large strontium magnet, and extra-rigid baskets. If you're planning to build a sealed enclosure, and like the sound of Pioneer's design, ask for the sealed-box versions: the TS-W201C, TS-W251C, or TS-W301C.



Kicker

Becoming known as a premier name in the subwoofer industry takes a lot of hard work, innovation, and dedication to quality. Kicker has earned its rank and demonstrates its commitment through the use of the following high performance design features: Kapton voice coil formers, ultra-long excursion voice coil with extended pole piece, Uniplate single-piece back plate/pole piece, vented pole pieces, high current synthetic-core copper tinsel leads, dual dust caps, copolymer talc-filled cones, double-stitched cone/surround assemblies, notched back plates, and Rubatex gaskets!



Pyle

Pyle originated the high power, massive motor subwoofer. With exclusive IronMax™ motor technology and ProLinear™ poly-foam suspensions, Pyle drivers can take the heat of ultra high power amplifiers. The polymer laminate cones prevent cone breakup and transmit every trace of energy created by the massive high-energy magnet assembly, while the vented pole piece ensures temperature stability within the motor assembly. Extra heavy gauge baskets resist twisting and buckling to ensure exact alignment of the voice coil within the motor assembly.

Free-Air Subwoofers

Speaker Size	Manufacturer	Item Number	Mounting Depth	Minimum Power** RMS/Peak (watts)	Maximum Power RMS/Peak (watts)	Frequency Range (Hertz)	Low Pass Recommended* Crossover Point	Imp. (ohm)	SPL (dB)	Voice Coils	Feature	Price
6½"	Kicker	206F65	2½"	30/60	100/200	30-3,500	120-3k	4	96	single	Uniplate™	\$49 ea.
6x9"	Kicker	206F6X9	3½"	20/40	100/200	30-3,500	120-2.5k	4	96	single	Uniplate™	\$59 ea.
8"	Kicker	206F8	3½"	35-40/70	100/200	30-3,000	75-150Hz	4	95	single	stitched surrounds	\$59 ea.
8"	MTX	236ESW84	3½"	35-40/70	100/200	50-3,700	75-150Hz	4	90	single	Kapton Voice Coil Former	\$49 ea.
8"	Pioneer	130TSW201F	3½"	40-50/80	100/250	20-6,000	75-150Hz	4	91	single	Carbon Fiber/Poly-Cone	\$59 ea.
10"	Kenwood	113KFCW210	4½"	60/120	150/300	30-3,000	80-150Hz	4	92	single	4 Layer Voice Coil	\$199 pr.
10"	Kicker	206F10	4½"	40-50/80	150/300	25-2,000	75-120Hz	4	96	single	stitched surrounds	\$99 ea.
10"	MTX	236ESW104	4½"	70/140	150/300	35-2,000	75-120Hz	4	91	single	Kapton Voice Coil Former	\$69 ea.
10"	Pioneer	130TSW251F	4½"	40-50/80	120/300	18-4,000	75-120Hz	4	91	single	Carbon Fiber/Poly-Cone	\$69 ea.
12"	Kenwood	113KFCW212	5½"	60/120	150/300	30-3,000	60-150Hz	4	90	single	Layer Voice Coil	\$149 ea.
12"	Kicker	206F12	5"	50/100	150/300	25-2,000	60-80Hz	4	93	single	stitched surrounds	\$109 ea.
12"	MTX	236ESW124	5½"	80/160	150/300	29-1,700	60-80Hz	4	91.5	single	Kapton Voice Coil Former	\$79 ea.
12"	Pioneer	130TSW301F	5½"	50/100	150/400	18-3,500	60-80Hz	4	93	single	Carbon Fiber/Poly-Cone	\$79 ea.
15"	Kicker	206F15	6"	80/160	150/300	25-2,000	60Hz	4	93	single	stitched surrounds	\$139 ea.
15"	MTX	236ESW154	6½"	80/160	150/300	24-2,100	60Hz	4	93	single	Kapton Voice Coil Former	\$99 ea.

* These are baseline recommendations, and should be used as a starting point. Depending on your system design, slightly different values may work better.

** These minimum power ratings will allow relatively loud volume levels with minimal distortion. Power levels can be increased to manufacturers' suggested maximum ratings.

Subwoofers/Woofers

Speaker Size	Manufacturer	Item Number	Sealed Enclosure Volume (cu. ft.) bold/Dimensions (inches) †	Ported Enclosure Volume (cu. ft.) bold/Dimensions (inches) †	Minimum Power** RMS/Peak (watts)	Maximum Power RMS/Peak (watts)	Frequency Range (Hertz)	Low Pass Recommended* Crossover Point	Imp. (ohm)	SPL (dB)	Voice Coils	Your Price
6½"	Pyle	131DW65204	.11/7½x7x3½	.35/14x8½x5½	40/80	90/180	55-3.5k	100-3k	4	89	single	\$44 ea.
6x9"	Pyle	131DW69204	.96/19½x8½x7½	2.24/26½x16½x10	30/60	100/200	67-5,000	120-4k	4	91	single	\$49 ea.
8"	Pyle	131DW8404	.15/8x8x4	.38/11x15x4	60/120	120/240	45-2.75k	80-150Hz	4	91	single	\$69 ea.
8"	Pyle	131DW840	.21/12x8x3½	.62/17x10x6½	60/120	120/240	44-2.75k	80-150Hz	8	90	single	\$69 ea.
8"	Pyle	131PW8604	.17/7½x7½x3½	.23/10x8x4½	70/140	140/280	46-2.8k	80-150Hz	4	94	single	\$99 ea.
8"	Cerwin-Vega	050XL8D	N.R.	.75/16x11x8½	25/50	75/125 ea.	30-800	100Hz	4 ea.	92	dual	\$99 ea.
8"	Cerwin-Vega	050XL8S	N.R.	.75/16x11x8½	25/50	150/250	30-800	100Hz	4	92	single	\$99 ea.
8"	MTX	236MTW84	.75/18½x11½x6½	1.0/20x12½x7½	35-40/70	70/140	33-1950	75-150Hz	4	88	single	\$59 ea.
8"	MTX	236MTW88	1.0/20x12½x7½	1.5/22½x14½x8½	35-40/70	70/140	37-2100	75-150Hz	8	87	single	\$59 ea.
8"	MTX	236DVC84	.75/16x11x8½	1.0/20x12½x7½	35-40/70	50/100 ea.	36-2,000	75-150Hz	4 ea.	88	dual	\$49 ea.
8"	Kicker	206F8	N.R.	.65/17½x10½x7½	35-40/70	100/200	30-3,000	75-150Hz	4	95	single	\$59 ea.
8"	Kicker	206C8	.75/18½x11½x6½	N.R.	35-40/70	100/200	30-3,000	75-150Hz	4	95	single	\$59 ea.
10"	Pyle	131DW10404	.79/18½x11½x4x	2.29/26½x16½x10	65/130	130/260	44-2.7k	80-120Hz	4	91	single	\$79 ea.
10"	Pyle	131DW1040	1.3/20x12½x9	3.56/30x18½x11	65/130	130/260	48-27k	80-120Hz	8	91	single	\$79 ea.
10"	Pyle	131PW10704	.31/10x12½x11½	.82/18x18½x7	100/200	200/400	37-2.3k	80-120Hz	4	93	single	\$139 ea.
10"	Cerwin-Vega	050XL10D	N.R.	1.446/20x12½x10½	40/80	125/200 ea.	30-800	100Hz	4 ea.	94	dual	\$119 ea.
10"	Cerwin-Vega	050XL10S	N.R.	1.446/20x12½x10½	40/80	250/400	30-800	100Hz	4	94	single	\$119 ea.
10"	MTX	236MTW104	.75/18½x11½x6½	1.0/20x12½x7½	70/140	100/200	23-1,800	75-120Hz	4	89.5	single	\$69 ea.
10"	MTX	236MTW108	.95/19½x12½x7½	1.5/22½x14½x8½	70/140	100/200	24-2,000	75-120Hz	8	89.5	single	\$69 ea.
10"	MTX	236DVC104	1.79/24½x15x9½	3.0/28½x17½x11	70/140	65/135 ea.	27-2,500	75-120Hz	4 ea.	88	dual	\$59 ea.
10"	Kicker	206F10	N.R.	1.25/21½x13½x8½	40-50/80	150/300	25-2,000	75-120Hz	4	96	single	\$99 ea.
10"	Kicker	206C10	1.25/21½x13½x8½	N.R.	40-50/80	150/300	25-2,000	75-120Hz	4	96	single	\$99 ea.
12"	Pyle	131DW12404	2.19/26½x16½x8½	3.97/31½x19½x12	70/140	140/280	49-2.5k	60-80Hz	4	91	single	\$84 ea.
12"	Pyle	131DW1240	3.45/30x18½x10½	6.11/40x24½x10½	70/140	140/280	57-2.5k	60-80Hz	8	92	single	\$149 ea.
12"	Pyle	131PW12704	.81/18x11x7	2.35/26½x16½x9½	100/200	210/420	43-2.5k	60-80Hz	4	92	single	\$149 ea.
12"	Cerwin-Vega	050XL12D	N.R.	2.025/16x24x9½	60/120	125/250 ea.	20-500	100Hz	4 ea.	96	dual	\$129 ea.
12"	Cerwin-Vega	050XL12S	N.R.	2.025/16x24x9½	60/120	250/500	20-500	100Hz	4	96	single	\$129 ea.
12"	MTX	236MTW124	2.25/26½x16½x10	2.5/27½x16½x10½	80/160	150/300	22-2,000	60-80Hz	4	89	single	\$79 ea.
12"	MTX	236MTW128	3.5/30½x18½x11	4.0/31½x19½x12½	80/160	150/300	23-2,000	60-80Hz	8	89	single	\$79 ea.
12"	MTX	236DVC124	4.5/33x20½x12½	4.0/31½x19½x12½	80/160	75/150 ea.	19-2,000	60-80Hz	4 ea.	88	dual	\$69 ea.
12"	Kicker	206F12	N.R.	1.75/24½x14½x9½	50/100	150/300	25-2,000	60-80Hz	4	93	single	\$109 ea.
12"	Kicker	206C12	2.0/16x24x6	N.R.	50/100	200/400	25-2,000	60-80Hz	4	94	single	\$109 ea.
15"	Pyle	131DW15604	3.52/30x20x10½	6.49/35x21½x14½	75/150	150/300	49-2.7k	60Hz	4	94	single	\$99 ea.
15"	Pyle	131DW1560	5.03/34½x21½x13½	14/40x24½x24½	75/150	150/300	46-2.7k	60Hz	8	92	single	\$99 ea.
15"	Pyle	131PW15704	6.34/35x21x14½	10.25/40x24½x17½	100/200	225/450	47-2.5k	60Hz	4	93	single	\$169 ea.
15"	Cerwin-Vega	050XL15D	N.R.	4.6/20x30x13	75/200	125/500 ea.	20-400	80Hz	4 ea.	98	dual	\$169 ea.
15"	MTX	236MTW154	5.0/34½x21½x13½	5.0/34½x21½x13½	80/160	150/300	21-2,800	60Hz	4	90	single	\$89 ea.
15"	MTX	236MTW158	5.0/34½x21½x13½	5.0/34½x21½x13½	80/160	150/300	22-3,000	60Hz	8	90	single	\$89 ea.
15"	Kicker	206F15	N.R.	3.0/28½x17½x11	80/160	150/300	25-2,000	60Hz	4	93	single	\$139 ea.
15"	Kicker	206C15	3.0/28½x17½x11	N.R.	100/200	250/500	25-2,000	60Hz	4	92	single	\$139 ea.

N. R. - not recommended

* These are baseline recommendations, and should be used as a starting point. Depending on your system design, slightly different values may work better.

** These minimum power ratings will allow relatively loud volume levels with minimal distortion. Power levels can be increased to manufacturers' suggested maximum ratings.

† Volumes are net internal volumes plus 10%. Dimensions are internal and include 10% for bracing and for the woofer. Add thickness of wood to dimensions.

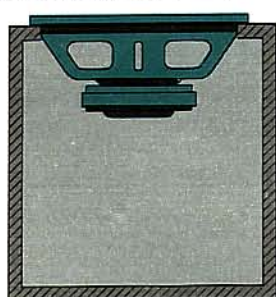
‡ Thiele-Small parameters available upon request.

Two Enclosure Types

The two enclosure types shown here are the most popular for automotive subwoofer systems. The sealed enclosure is the easiest to build and is found in the forms of: Acoustic suspension (smallest of the sealed cabinets), Infinite baffle (a larger cabinet), or Free-Air (really an infinite baffle where the trunk itself is used for the enclosure). Vented enclosures are popular because they provide an additional 3dB of efficiency (they're louder), and can provide more low frequency extension. This is not a simple "build a box and cut a port" project, though. Vented boxes require careful calculations and tuning.

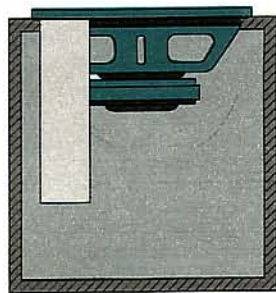
Sealed Enclosures

Easy to build, outstanding bass response, good power handling capabilities.



Vented Enclosure

Easy to build, can be difficult to tune. Good low frequency extension. Less driver extension above the box tuning point.



Free-Air Installation

We know there are a lot of you out there who want to add deep bass to your systems, but lack the space or the know-how to build high-performance subwoofer enclosures. One popular solution is using free-air woofers. They're specially designed to provide excellent performance without a custom-built enclosure. You can bolt them to the underside of your rear deck or to the metal frame behind the rear seat so that your trunk acts as the enclosure (see diagram).

Whenever you install a speaker larger than 5", especially when it's not in a factory location, you will need to reinforce the panel. The easiest way to do this is to cut a board (wood or particle board) to secure to the mounting location, with a hole to accept the speaker. In most cases these reinforcing boards or baffle boards are secured to the rear side of a panel. Be precise with your cutting procedures to avoid air leaks. The air on the front side of the cone must be separated from the air on the back side of the cone for the speaker to function properly. Leaks as small as 1/16" around the basket of a speaker can ruin its performance. Leaks this small will whistle, and larger leaks will completely eliminate a speaker's bass response.



Tweeters

Manufacturer	Item Number	Type	Frequency Response Hz	Max. Power RMS/Peak (watts)	Imp. (ohms)	SPL (dB)	Maximum Diameter	Mounting Depth	Features	Your Price
Infinity	108EMITN	Induction Tweeter	3.5k-45k	50/100	4	93	2 1/2"x3 1/4"	surface	Must use included x-over	\$159 pr.
Infinity	108PCELL	1" polyfoam diaphragm	3.5k-22k	20/40	4	94	2 3/4"	surface	separate crossovers included	\$119 pr.
Kenwood	113KFCT201	1" soft dome	2k-23k	75/150	4	89	1"	surface	*1 1/16" with recess kit	\$99 pr.
Kenwood	113KFCT301	1" titanium dome	2k-25k	75/150	4	89	1"	surface	*1 1/16" with recess kit	\$149 pr.
Kicker	206HORN	2"x6" Horn	1.9k-40k	75/150	4	95	3 1/4"x7 3/4"	3 3/4"	2kHz x-over recommended	\$19 ea.
Kicker	206D20	3/4" polyester film dome	3k-21k	35/75	6	93	3 1/4"x3 1/4"	3/4"	polyester dome, ferrofluid	\$39 pr.
MDS	152ST30	worlds smallest dome	6k-22k	25/50	4	90	1 1/4"	surface	adjustable angle, mounting adhesive	\$69 pr.
MDS	152ST45	varimount dome	6k-22k	25/50	4	90	2 1/4"	surface	thermal overload protection	\$69 pr.
MTX	236QT1	3/4" dome	5k-20k	30/60	4	91	2 3/4"	surface	adjustable angle, 6 dB crossover	\$49 pr.
MTX	236MTT16	1" soft dome	5k-20k	100/200	6	92.5	3 1/2"x1 1/2"	1 1/4"	Includes capacitor	\$29 ea.
Pyle	131KD3580	1" soft dome	4k-20k	40/80	8	94	3 3/4"	1 3/4"	opt. spacer 131SPT35 \$4 ea.	\$49 pr.
Pyle	131KT324	3" cone	4k-20k	45/65	8	102	3 3/4"	1"	opt. spacer 131SPT35 \$4 ea.	\$39 pr.
Pyle	131KD2215H	3/4" polycarbonate dome	4k-20k	30/60	8	90	2 3/4"	surface	adjustable angle, 6 dB x-over	\$49 pr.
Sony	158XSH6	1" soft dome	5k-22k	75/150	4	88	1 1/16"	surface	Neodymium magnet	\$119 pr.
Sony	158XSH5	1" soft dome	6k-20k	50/100	4	88	1 1/2"	surface	angle adaptor included	\$99 pr.
Sony	158XSH4	polycarbonate dome	5k-22k	60/120	4	88	1 1/16"	surface	balanced drive	\$69 pr.
Ultimate	132UT1000P	3/4" poly carbon dome	2k-20k	25/50	4	90	4 3/4"x3 1/4"	3/4"	rectangular mount	\$19 pr.
Ultimate	132UT745P	3/4" poly carbon dome	3k-20k	25/50	4	93	2 3/4"	1/2"	horn-loaded design	\$19 pr.
Ultimate	132UT845P	3/4" textile dome	2k-20k	25/50	4	91	3 3/4"	3/4"	round, Ferrofluid-damped	\$39 pr.

Midranges

Manufacturer	Item Number	Speaker Size	Mounting Depth	Max. Power RMS/Peak (watts)	Frequency Range	Imp. (Ohm)	SPL (dB)	Recommended Crossover points (Hertz)*	Feature	Your Price
Kicker	206F4	4"	2 1/4"	50/100	60Hz-6kHz	4	89	120/4k	free air design	\$29 ea.
Kicker	206F525	5 1/4"	2 1/2"	75/150	50Hz-6kHz	4	91	100/4k	free air design	\$39 ea.
Kicker	206F354	3 1/2"	1 3/4"	30/60	90Hz-15kHz	4	88	180/8k	free air design	\$24 ea.
MTX	236MTM34	3 1/2"	1 3/4"	30/60	100Hz-7kHz	4	83	200/6k	Includes capacitor	\$19 ea.
MTX	236MTM44	4"	2 1/4"	70/140	58Hz-5kHz	4	88	200/5k	Includes capacitor	\$29 ea.
MTX	236MTM48	4"	2 1/16"	70/140	58Hz-5kHz	8	88	200/5k	byfilar voice coil	\$29 ea.
MTX	236MTM54	5 1/4"	2 1/16"	100/200	52Hz-5.1kHz	4	88	100/5k	byfilar voice coil	\$39 ea.
MTX	236MTM58	5 1/4"	3 3/4"	100/200	52Hz-5.1kHz	8	88	100/5k	byfilar voice coil	\$39 ea.
MTX	236MTM64	6 1/2"	3 3/4"	120/240	35Hz-3kHz	4	88	60/2.5k	byfilar voice coil	\$49 ea.
Pyle	131H3910	3"x9"	7 1/2"	40/80	2kHz-15kHz	8	102	supplied (2k)	compression horn	\$39 ea.
Pyle	131MP516	5"	2 1/4"	50/100	500Hz-10k	8	94	800/6k	sealed basket	\$34 ea.
Pyle	131M5H	5"	4"	45/90	300Hz-8kHz	8	92	600/5k	sealed basket	\$39 ea.
Pyle	131DW52164	5 1/4"	2 3/4"	70/140	75Hz-8.5kHz	4	90	200/6k	treated cone	\$39 ea.
Sony	158XSL5	5 1/4"	2 1/2"	65/130	40Hz-7kHz	4	87	120/6k	grilles included	\$99 pr.
Ultimate	132PM5210	5 1/4"	2 1/4"	30/55	80Hz-10kHz	4	91	160/6k	poly laminate	\$24 ea.
Ultimate	132PM4010	4"	2 1/4"	25/50	100Hz-10kHz	4	91	200/6k	1" voice coil	\$24 ea.

XTC Passive Crossovers

Here are two methods for adding precision crossovers to your system. The 2- and 3-way crossovers combine all the necessary high- and low-pass filters for a single channel in a sealed plastic enclosure, with mounting tabs and color coded input and output wires. Can be used with either 4 or 8 ohm tweeters. Maximum power handling 200 watts. You can also custom design your own crossover network with the individual

high-pass, low-pass, and band pass (midrange) filters listed below. Crossover slope on all filters is 12 dB/octave.

2-way: 2500 Hz

4 ohm Item #237CX204 YOUR PRICE: \$19 ea.

8 ohm Item #237CX208 YOUR PRICE: \$19 ea.

2-way: 4000 Hz

4 ohm Item #237CX244 YOUR PRICE: \$19 ea.

8 ohm Item #237CX248 YOUR PRICE: \$19 ea.

2-way: 6000 Hz

4 ohm Item #237CX254 YOUR PRICE: \$19 ea.

8 ohm Item #237CX258 YOUR PRICE: \$19 ea.

2-way: 6000 Hz

4 ohm Item #237CX264 YOUR PRICE: \$19 ea.

8 ohm Item #237CX268 YOUR PRICE: \$19 ea.

3-way: 120/2500 Hz

4 ohm Item #237CX31204 YOUR PRICE: \$49 ea.

8 ohm Item #237CX31208 YOUR PRICE: \$49 ea.

3-way: 120/4000 Hz

4 ohm Item #237CX31244 YOUR PRICE: \$49 ea.

8 ohm Item #237CX31248 YOUR PRICE: \$49 ea.

3-way: 120/6000 Hz

4 ohm Item #237CX31264 YOUR PRICE: \$49 ea.

8 ohm Item #237CX31268 YOUR PRICE: \$49 ea.

Low Pass

Item #	Frequency	Impedance	Your Price
#237SX8042	80 Hz	4 ohm	\$29 ea.
#237SX9042	90 Hz	4 ohm	\$29 ea.
#237SX1042	100 Hz	4 ohm	\$29 ea.
#237SX1542	150 Hz	4 ohm	\$26 ea.
#237SX1582	150 Hz	8 ohm	\$29 ea.
#2372024	200 Hz	4 ohm	\$20 ea.
#2372028	200 Hz	8 ohm	\$20 ea.
#2374024	400 Hz	4 ohm	\$18 ea.
#2374028	400 Hz	8 ohm	\$18 ea.
#2377524	750 Hz	4 ohm	\$16 ea.
#2377528	750 Hz	8 ohm	\$16 ea.
#2371024	1000 Hz	4 ohm	\$16 ea.
#2371028	1000 Hz	8 ohm	\$16 ea.
#2379024	2000 Hz	4 ohm	\$14 ea.
#2379028	2000 Hz	8 ohm	\$14 ea.
#2379524	2500 Hz	4 ohm	\$14 ea.
#2379528	2500 Hz	8 ohm	\$14 ea.
#2379324	3000 Hz	4 ohm	\$14 ea.
#2379328	3000 Hz	8 ohm	\$14 ea.

Band-Pass

Item #	Frequency	Impedance	Your Price
#23710424	100/4000 Hz	4 ohm	\$29 ea.
#23710428	100/4000 Hz	8 ohm	\$29 ea.
#23715424	150/4000 Hz	4 ohm	\$29 ea.
#23715428	150/4000 Hz	8 ohm	\$29 ea.
#23720424	200/4000 Hz	4 ohm	\$24 ea.
#23720428	200/4000 Hz	8 ohm	\$24 ea.
#23740424	400/4500 Hz	4 ohm	\$20 ea.
#23740428	400/4500 Hz	8 ohm	\$20 ea.
#23750424	500/4500 Hz	4 ohm	\$17 ea.
#23750428	500/4500 Hz	8 ohm	\$17 ea.
#23775424	750/4500 Hz	4 ohm	\$17 ea.
#23775428	750/4500 Hz	8 ohm	\$17 ea.
#23791424	1000/4500 Hz	4 ohm	\$14 ea.
#23791428	1000/4500 Hz	8 ohm	\$14 ea.
#23792424	2000/4500 Hz	4 ohm	\$14 ea.
#23792428	2000/4500 Hz	8 ohm	\$14 ea.
#23799424	2500/4500 Hz	4 ohm	\$14 ea.
#23799428	2500/4500 Hz	8 ohm	\$14 ea.

High Pass

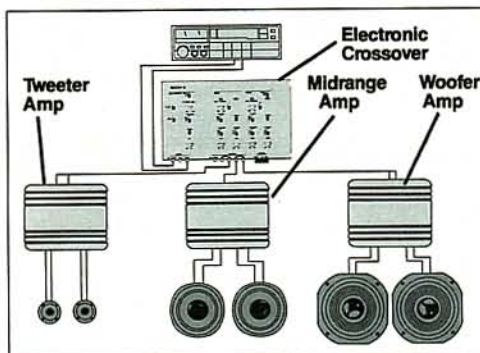
Item #	Frequency	Impedance	Your Price
#2372402	200 Hz	4 ohm	\$17 ea.
#2372802	200 Hz	8 ohm	\$17 ea.
#2372404	400 Hz	4 ohm	\$14 ea.
#2372804	400 Hz	8 ohm	\$14 ea.
#2372408	800 Hz	4 ohm	\$11 ea.
#2372808	800 Hz	8 ohm	\$11 ea.
#2372420	2000 Hz	4 ohm	\$9 ea.
#2372820	2000 Hz	8 ohm	\$9 ea.
#2372425	2500 Hz	4 ohm	\$9 ea.
#2372825	2500 Hz	8 ohm	\$9 ea.
#2372430	3000 Hz	4 ohm	\$9 ea.
#2372830	3000 Hz	8 ohm	\$9 ea.
#2372440	4000 Hz	4 ohm	\$9 ea.
#2372840	4000 Hz	8 ohm	\$9 ea.
#2372442	4250 Hz	4 ohm	\$9 ea.
#2372842	4250 Hz	8 ohm	\$9 ea.
#2372450	5000 Hz	4 ohm	\$9 ea.
#2372850	5000 Hz	8 ohm	\$9 ea.

Consumer Tip

Why Use An Electronic Crossover?

The task of a crossover is to direct a certain range of musical frequencies to a specific speaker or speakers. Where a passive crossover accomplishes this with a combination of low-pass filters (inductor coils) and high-pass filters (capacitors), an electronic crossover gets the job done using active circuitry. The electronic crossover's advantages include greater flexibility, better transient response, lower distortion, and greater efficiency. We strongly recommend the use of an electronic crossover in multi-amp systems.

Electronic crossovers let you vary the crossover point to precisely match the capabilities of the component speakers you're using. You can also adjust the level of the signal that goes to each of your amps, making it easy to boost the highs or lows or just go for a smooth, balanced response. Output adjustment



also gives you a wider range of component speakers to choose from. Down the road you may decide you want different speakers or amplifiers. Chances are you'll still be able to use your crossover with these new additions.

PAC Crossovers

NEW

These adjustable-frequency crossovers from PAC offer a simple, cost-effective way to get cleaner, more accurate sound—especially bass frequencies—from your system. The low-pass model allows only bass frequencies to pass to your subwoofer's amplifier. You can choose from five cut-off frequencies (85, 100, 125, 150, or 200 Hz). The high-pass version offers the same frequency choices, but allow only the high frequencies to pass to your full-range speakers or mid/tweeter sets. Crossover slopes are 12 dB/octave. Made in USA.

Specifications: Signal-to-Noise ratio 93 dB, THD 0.01%. Dimensions: 4 1/4" W x 2 1/4" H x 6 1/4" D. Warranty: 1 year.

Low pass Item #127SLP \$49
High pass Item #127SHP \$49



Sherwood XN-1000A

Designed to handle 2- or 3-way systems, the XN-1000 has three sets of inputs and three sets of outputs, all gold-plated. Three crossover frequency options are available for each set of outputs (40/120/400Hz). A 20-times frequency multiplier for one set of mid/high outputs provides added choices of 800/2400/8000 Hz for your tweeters or mid/tweeter sets. Crossover slopes are 12 dB/octave. All three outputs include independent level adjustment. The XN-1000A includes a Phase Inverter switch to help restore bass punch. "Bass-aholics" can even dial in an extra 12dB of boost at 45 Hz. The XN-1000A can be used in systems with either mono or stereo subwoofers.

Specifications: Frequency response (± 3 dB) 10-50,000 Hz, Signal-to-Noise 98 dB, THD 0.02%. Dimensions: 6" W x 1 1/2" H x 7 1/2" D. Warranty: 1 year.

Item #150XN1000A List Price: \$130
YOUR LOW PRICE: \$89



MTX RTX01 / RTX02

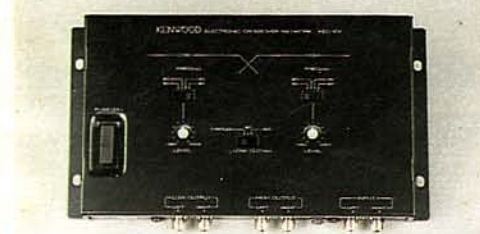
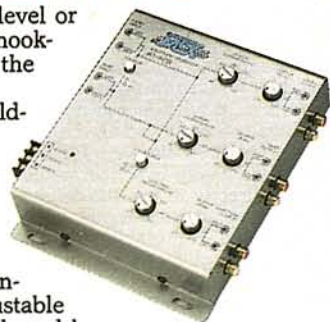
With speaker-level or preamp-level hook-up capability, the RTX01 is designed for building a 2-way system using your factory or after-market receiver. It includes two continuously adjustable 32-400 Hz high and low crossover points with slopes of 12 dB/octave. The more flexible RTX02 provides RCA preamp-level inputs only, two adjustable 32-400 Hz high pass crossover points, and one adjustable 32-400 Hz low pass sub-crossover point.

Spec: Signal-to-Noise ratio 96 dB. Dim: (RTX01) 7 1/4" W x 1 1/4" H x 6" D; (RTX02) 7 1/4" W x 1 1/4" H x 8 1/4" D.

Item #236RTX01 List Price: \$100

YOUR LOW PRICE: \$69

Item #236RTX02 List Price: \$150
YOUR LOW PRICE: \$119 (pictured)



Kenwood KEC-101

This simple 2-way crossover supplies the brains to match the brawn of your power amplifiers. One set of RCA inputs is provided, with two sets of outputs, High and Low, with independent level controls. Crossover frequencies are 50/90/4k/6kHz, with a slope of 12dB/octave.

Specifications: Frequency response (± 3 dB) 20-100,000 Hz, Signal-to-Noise ratio 100 dB, THD 0.01%. Dimensions: 7 1/4" W x 1 1/4" H x 4 1/4" D. Warranty: 1 year.

Item #113KEC101 List Price: \$119
YOUR LOW PRICE: \$99

Pioneer CD-620 / CD-630

These sleek Pioneer crossovers include gold-plated RCA inputs and outputs, phase reverse switch, subwoofer stereo/mono select and subwoofer level adjustment. The compact 2-way CD-620's switchable crossover points (50Hz, 80Hz, 120Hz) help you achieve tight, powerful bass. The half-DIN-sized CD-630 is even more versatile, offering either 2-way or 3-way operation with a 10-times multiplier for the low/mid crossover points (50/500Hz, 80/800Hz, 120/1200Hz) and switchable mid/high frequencies (3.2kHz, 5kHz, 8kHz).

Specifications: Freq. resp. (± 1 dB) 10-30,000 Hz, Signal-to-Noise 101 dB, THD 0.05%. Dim: 4 1/4" W x 1 1/4" H x 6 1/4" D; (CD-630) 7" W x 1 1/4" H x 6 1/4" D. Warr. 1 year.

Item #130CD620 List Price: \$120

YOUR LOW PRICE: \$89

Item #130CD630 List Price: \$192
YOUR LOW PRICE: \$139 (pictured)



Sony XEC-1000 / XEC-700

With top marks from Car Audio for flexibility, subwoofer features, and value, Sony's 10-channel XEC-1000 is actually 3 separate crossovers. It has 3 sets of inputs, and 5 sets of stereo outputs to connect your amps! Subwoofer low-pass (50, 80, 120, 180Hz); separate front and rear selectable Mid/Low bandpass (between 80/120/180Hz and 2.4k/3.5k/5kHz); separate front and rear selectable high-pass outputs for tweeters (2.4k/3.5k/5k/7kHz). Each set of outputs has its own level control. Crossover slopes are 12dB/octave.

The smaller, 6-channel XEC-700 lets you select between 2-way (front/rear) and 3-way operation. Both models feature low- and mid-frequency EQ adjustment.

Specifications: Frequency Response (± 3 dB) 3-150,000 Hz, Signal-to-Noise ratio 105 dB, THD 0.003%. Dimensions: (XEC-1000) 10 1/4" W x 1 1/4" H x 8 1/4" D; (XEC-700) 6 1/2" W x 1 1/4" H x 7 1/4" D. Warranty: 1 year.

Item #158XEC1000 List Price: \$290 **YOUR LOW PRICE: \$219** (pictured)

Item #158XEC700 List Price: \$230 **YOUR LOW PRICE: \$179**



Increasing power in your stereo system will help overcome background road noise and preserve the dynamic variances from soft to loud that make music sound "live." Add-on amplifiers are designed to amplify the signal as cleanly as possible, while adding an absolute minimum amount of distortion and noise.

If your receiver has preamp outputs, you can feed a low-level signal to the amplifier's preamp inputs via a standard RCA patchcord. The signal travels directly to the add-on amplifier, bypassing your receiver's internal amp. The result is purer sound. Adjustable sensitivity on the amplifier lets you perfectly match components for optimum performance.

If your low-powered receiver does not have preamp outputs, you can connect the speaker leads from your receiver directly to an amplifier that provides speaker-level inputs. A powered

signal from the receiver travels to the amplifier where it is converted to a low-level signal and noise is filtered out. Of course this method is not as clean as connecting preamp level. For amplifiers that don't provide speaker-level inputs, we offer an adapter from speaker to preamp level (Item #127SNI35 \$19).

Amplifiers are easier to install than you might think. If your car has a trunk, that's usually the best place to mount an amp. It will be out of your way, out of sight, and will have plenty of room for ventilation (since amps do generate heat). If trunk-mounting is not an option, the rear side panels work well for hatchbacks and most vehicles also have room under the seats.

To make installing your amp easier, we offer a \$14 amplifier wiring kit (Item #263TRUNK) that comes complete with everything you need, except patch cords and tools.

The Installation Specialist is our advanced car stereo manual covering topics such as multi-amp systems, component speaker systems, passive and electronic crossovers, subwoofer enclosures, and much more. A copy is free upon request, with your order, #000SPEC.



Component Amplifiers	Design	Continuous Power (watts)	THD at rated power	Frequency Response	Signal-to-Noise Ratio	Damping Factor	Bridged Output (watts)	Preamp Inputs (sensitivity range)	Speaker Input Sensitivity Range	Number of speaker outputs	Protection Circuitry A - Speaker short B - Overheating	Heavy gauge power cable included	Warranty	List Price	Your Price
Alphasonik PMA-2030E	Stereo/Mono	30x2	0.05%	5-30k Hz (±0.5dB)	95 dB	100+	60x1	RCA 100mV-1V	1V-10V	2	A, B		1 yr.	\$165	\$129
Alphasonik PMA-2050E	Stereo/Mono	50x2	0.05%	5-30k Hz (±0.5dB)	95 dB	100+	100x1	RCA 100mV-1V	1V-10V	2	A, B		1 yr.	\$199	\$169
Alphasonik PMA-2075E	Stereo/Mono	75x2	0.05%	5-30k Hz (±0.5dB)	95 dB	100+	150x1	RCA 100mV-1V	1V-10V	2	A, B		1 yr.	\$249	\$199
Alphasonik PMA-2100E	Stereo/Mono	100x2	0.01%	5-30k Hz (±0.5dB)	98 dB	100+	200x1	RCA 100mV-1V	1V-10V	2	A, B		1 yr.	\$349	\$299
Alphasonik PMA-2150E	Stereo/Mono	150x2	0.01%	5-30k Hz (±0.5dB)	98 dB	100+	300x1	RCA 100mV-1V	—	2	A, B		1 yr.	\$449	\$399
Alphasonik PMA-4050E	2,3,4-channel	50x4	0.01%	5-30k Hz (±0.5dB)	95 dB	100+	100x2 or 50x4	RCA 2 pr. 100mV-1V	1V-10V	4	A, B		1 yr.	\$445	\$249
Alphasonik PAS-1060	Mono/Subwoofer	60x1	0.05%	15-150Hz	90 dB	100+	—	RCA 80mV min.	800mV	1	A, B		1 yr.	\$190	\$159
Carver M-2020	Stereo	15x2	0.5%	20-20k Hz (±3dB)	100 dB	45+	—	RCA 250mV-1V	1V-4V	2	A, B		1 yr.	\$160	\$139
Carver M-2060	Stereo/Mono	60x2	0.15%	20-20k Hz (±3dB)	100 dB	200+	120x1	RCA 250mV-1V	1V-4V	2	A, B		1 yr.	\$340	\$219
Carver M-2120	Stereo/Mono	120x2	0.15%	20-20k Hz (±3dB)	100 dB	200+	240x1	RCA 250mV-1V	1V-4V	2	A, B		1 yr.	\$400	\$279
Carver M-4060	2,3,4-channel	60x4	0.15%	20-20k Hz (±3dB)	100 dB	200+	120x2 or 60x4	RCA 2 pr. 250mV-1V	1V-4V	4	A, B		1 yr.	\$530	\$349
Carver M-2040i	Stereo/Mono	40x2	0.5%	20-20k Hz (±3dB)	95 dB	200+	80x1	RCA 125mV-2V	fixed	2	A, B		1 yr.	\$250	\$219
Carver M-2050i	Stereo/Mono	50x2	0.5%	20-20k Hz (±3dB)	95 dB	200+	100x1	RCA 125mV-2V	fixed	2	A, B		1 yr.	\$340	\$299
Carver M-2090i	Stereo/Mono	90x2	0.5%	20-20k Hz (±3dB)	95 dB	200+	180x1	RCA 125mV-2V	fixed	2	A, B		1 yr.	\$400	\$349
Carver M4050i	2,4-channel	50x4	0.5%	20-20k Hz (±3dB)	95 dB	200+	100x2	RCA 2 pr. 125mV-2V	fixed	2	A, B		1 yr.	\$550	\$479
Crutchfield CR-2X30P	Stereo/Mono	30x2	0.02%	10-50k Hz (±1dB)	102 dB	200+	60x1	RCA 100mV-2V	—	2	A, B	✓	2 yrs.	—	\$149
Crutchfield CR-2X50P	Stereo/Mono	50x2	0.02%	10-50k Hz (±1dB)	102 dB	200+	100x1	RCA 100mV-2V	—	2	A, B	✓	2 yrs.	—	\$219
Crutchfield CR-4X30P	2,3,4-channel	30x4	0.02%	10-50k Hz (±1dB)	102 dB	200+	60x2 or 30x4	RCA 2pr. 100mV-2V	—	4	A, B	✓	2 yrs.	—	\$229
Crutchfield CR-4X50P	2,3,4-channel	50x4	0.02%	10-50k Hz (±1dB)	102 dB	200+	100x2 or 50x4	RCA 2 pr. 100mV-2V	—	4	A, B	✓	2 yrs.	—	\$299
HiComp HCB-8036	Stereo	18x2	1.0%	20-20k Hz (±1dB)	75 dB	100	—	RCA 100mV-1V	2.5V	2	A		1 yr.	\$60	\$39
Jensen A-220	Stereo/Mono	50x2	0.5%	10-30k Hz (±3dB)	86 dB	125	125x1	RCA 25-250mV	250mV-2.5V	2	A, B		1 yr.	\$200	\$129
Jensen A-320	Stereo/Mono	75x2	0.5%	10-30k Hz (±3dB)	86 dB	125	175x1	RCA 25-250mV	250mV-2.5V	2	A, B		1 yr.	\$300	\$179
Jensen A-432	2,3,4-channel	50x4	0.5%	10-30k Hz (±3dB)	86 dB	125	125x2 or 50x4	RCA 2 pr. 25-250mV	250mV-2.5V	4	A, B		1 yr.	\$330	\$219
Kenwood KAC-322	Stereo	15x2	1.0%	10-45k Hz (±3dB)	95 dB	100+	—	RCA 100mV-5V	—	2	A, B		1 yr.	\$99	\$79
Kenwood KAC-622	Stereo/Mono	30x2	0.08%	4-65k Hz (±3dB)	100 dB	100+	80x1	RCA 100mV-5V	—	2	A, B		1 yr.	\$189	\$149
Kenwood KAC-821	Stereo/Mono	75x2	0.5%	2-100k Hz (±3dB)	105 dB	200+	150x1	RCA 100mV-5V	—	2	A, B		1 yr.	\$429	\$349
Kenwood KAC-921	Stereo/Mono	100x2	0.3%	2-100k Hz (±3dB)	105 dB	200+	200x1	RCA 100mV-5V	—	2	A, B		1 yr.	\$549	\$449
Kenwood KAC-642	2,3,4-channel	16x4	0.08%	6-65k Hz (±3dB)	100 dB	100+	150x2 or 16x4	RCA 2 pr. 100mV-5V	—	4	A, B		1 yr.	\$249	\$199
Kenwood KAC-742	2,3,4-channel	30x4	0.08%	4-64k Hz (±3dB)	100 dB	100+	80x2 or 30x4	RCA 2 pr. 100mV-5V	—	4	A, B		1 yr.	\$359	\$299
Pioneer GM-H50	Stereo/Mono	25x2	0.05%	10-50k Hz (±1dB)	100 dB	100	80x1	RCA 200mV-2V	—	2	B		1 yr.	\$264	\$199
Pioneer GM-H100	Stereo/Mono	50x2	0.05%	10-50k Hz (±1dB)	100 dB	100	160x1	RCA 200mV-2V	—	2	B		1 yr.	\$336	\$259
Sherwood XA-1040	Stereo	14x2	0.5%	16-27k Hz (±3dB)	90 dB	90	—	RCA 100mV-1V	—	2	B		1 yr.	\$80	\$49
Sherwood XA-1041	4-channel	14x4	0.5%	16-27k Hz (±3dB)	85 dB	90	—	RCA 2 pr. 100mV-1V	—	4	B		1 yr.	\$90	\$69
Sherwood XA-1100	Stereo/Mono	40x2	0.5%	10-35k Hz (±3dB)	90 dB	100	100x1	RCA 100mV-1V	—	2	B		1 yr.	\$190	\$139
Sherwood XA-1180	Stereo/Mono	70x2	0.5%	5-35k Hz (±3dB)	95 dB	150	180x1	RCA 100mV-1V	—	2	B		1 yr.	\$250	\$189
Sherwood XA-1181Q	2,3,4-channel	30x4	0.5%	10-40k Hz (±3dB)	90 dB	90	60x2 or 30x4	RCA 2 pr. 250mV-1V	—	4	B		1 yr.	\$290	\$199
Sherwood XA-1240Q	2,3,4-channel	50x4	0.5%	5-40k Hz (±3dB)	95 dB	90	100x2 or 50x4	RCA 2 pr. 250mV-1V	—	4	B		1 yr.	\$350	\$239
Sony XM-2020	Stereo	20x2	0.5%	8-100k Hz (±3dB)	95 dB	40	—	RCA 100mV-2V	—	2	B		1 yr.	\$90	\$69
Sony XM-2040	4-channel	20x4	0.5%	8-100k Hz (±3dB)	95 dB	40	—	RCA 2 pr. 100mV-2V	—	4	B		1 yr.	\$170	\$129

Crutchfield Performance Series Amplifiers

Every Performance Series amp is built right here in America using the finest quality components and rugged Mil-Spec wave-soldered circuit boards. Advanced technology, like the high efficiency MOSFET power supplies, makes the compact size possible. Like the finest home and professional amplifiers, ours use discrete, bi-polar output transistors rather than the inexpensive bridged ICs found in amps from most "offshore" manufacturers. The heavy-duty cast aluminum housing has integral heat sinking to keep the amp running cool even under the most demanding conditions. All models are bridgeable for super high power. Every Performance Series amplifier is 100% function tested and burned in. And each one is backed with a full 2-year warranty. All models include these



features: variable input sensitivity (100mV to 2V), RCA preamp inputs, soft turn-on circuitry, and an LED power indicator.

Crutchfield CR-2X30P

Specifications: 30 watts x 2 channels into 4 ohms (10-50,000 Hz) at 0.02% THD (or 60 x 1), Dynamic Headroom 2.3 dB, Signal-to-Noise 102 dB. Dim: 8"W x 2"H x 6 1/4"L. Warranty: 2 years.
Item #187CR2X30P **YOUR PRICE: \$149**

Crutchfield CR-2X50P

Specifications: 50 watts x 2 channels into 4 ohms (10-50,000 Hz) at less than 0.02% THD (or 100 x 1), Dynamic Headroom 2.3 dB, Signal-to-Noise 102 dB. Dimensions: 8"W x 2"H x 9 1/4"L. Warranty: 2 years.
Item #187CR2X50P **YOUR PRICE: \$219**

Crutchfield CR-4X30P

Features: 2-, 3-, or 4-channel operation, two sets of RCA preamp inputs. **Specifications:** 30 watts x 4 channels into 4 ohms (10-50,000 Hz) at 0.02% THD (or 60 x 2 or 30/30/60), Dynamic Headroom 2.3 dB, Signal-to-Noise to 2 dB. Dim: 8"W x 2"H x 12 3/4"L. Warranty: 2 years.

Item #187CR4X30P **YOUR PRICE: \$229**

Crutchfield CR-4X50P

Features: 2-, 3-, or 4-channel operation, two sets of RCA preamp inputs. **Specifications:** 50 watts x 4 channels into 4 ohms (10-50,000 Hz) at 0.02% THD (or 100 x 2 or 50/50/100), Dynamic Headroom 2.3 dB, Signal-to-Noise 102 dB. Dimensions: 8"W x 2"H x 13 1/4"L. Warranty: 2 years.

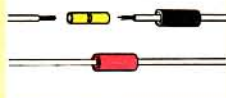
Item #187CR4X50P **YOUR PRICE: \$299**

Monster Cable Y-adapter for 2- or 3-channel operation with CR-4X50P, and CR-4X30P. 1-female-to-2-male with gold plated connectors. One required for 3-channel mode, 2 for 2-channel mode.

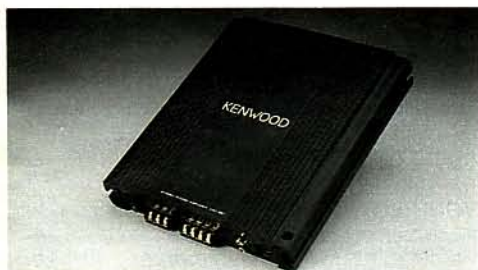
Item #119ILJRY1F **\$4 each**

StreetWires Speaker Cable Connectors

For neater, more trouble-free hook ups, use these high-performance gold-plated connectors. They're easy to use: just insert your speaker wire, crimp, and slide the color-coded protective covering over the gold connector.



5-pack Item #21113015 **YOUR PRICE: \$4.50**



Kenwood KAC-821 / KAC-921

These powerful amps deliver the kind of clean, dynamic sound that will make you feel right at home—in your car. That's because Kenwood borrows advanced circuitry used in their home amplifiers. For example, New Sigma Drive takes spurious signal components generated by elements after the output transistors— protection relays, speaker cables, or speaker coils — and cleans them up by feeding them through a negative feedback loop. The KAC-821 offers 75 watts/channel, mono bridging, 3 independent power supplies, and mono subwoofer output with a variable low-pass crossover (30-150Hz). To all this, the 100 watts/channel KAC-921 adds a temperature-activated cooling fan. Preamp inputs only.

KAC-821 Specifications: 75 watts x 2 channels into 4 ohms (20-20,000 Hz) at 0.5% THD (or 150 x 1), Signal-to-Noise ratio 105 dB. Dimensions: 9 1/4"W x 2 1/4"H x 12 1/2"D. Warranty: 1 year.

Item #113KAC821 List Price: \$429

YOUR LOW PRICE: \$349

KAC-921 Specifications: 100 watts x 2 channels into 4 ohms (20-20,000 Hz) at 0.3% THD (or 200 x 1), Signal-to-Noise ratio 105 dB. Dimensions: 10 1/4"W x 2 1/4"H x 12 1/4"D. Warranty: 1 year.

Item #113KAC921 List Price: \$549

YOUR LOW PRICE: \$449 (pictured)



Kenwood KAC-642 / KAC-742

These versatile models give you more ways to enjoy ultra-clean Kenwood power. Both offer 4-channel operation along with 3- and 2-channel bridged modes. Kenwood's Tri-Mode design even lets you drive 6 speakers (call for details). This kind of flexibility lets you take a building-block approach to your system. You'll get a lot more performance for your money when you can add on to your existing system rather than starting over from scratch every time. With features like discrete output transistors and stability down to 2 ohms, these amps are right at home in the best of systems. Both models include 2 sets of gold-plated RCA preamp inputs for front/rear fading. The KAC-742 adds a set of full-range preamp outputs to supply signal to another amp. Preamp inputs only. *KAC-642 is pictured.*

KAC-642 Specifications: 2-, 3-, or 4-channel operation, 16 watts x 4 channels into 4 ohms (20-20,000 Hz) at 0.08% THD (45 x 2 or 16/16/45), Signal-to-Noise ratio 100 dB. Dim: 9"W x 2"H x 5 1/4"D. Warranty: 1 year.

Item #113KAC642 List Price: \$249

YOUR LOW PRICE: \$199

KAC-742 Specifications: 2-, 3-, or 4-channel operation, 30 watts x 4 channels into 4 ohms (20-20,000 Hz) at 0.08% THD (80 x 2 or 30/30/80), Signal-to-Noise ratio 100 dB. Dim: 12"W x 2 1/4"H x 9 1/4"D. Warranty: 1 year.

Item #113KAC742 List Price: \$359

YOUR LOW PRICE: \$299



Kenwood KAC-322 / KAC-622

You needn't spend a lot to experience Kenwood's first-class amplifier technology. The new KAC-322 is everything you could ask for in a small amp. It's perfect for driving tweeters, or full-range speakers if you want sound that's clean but not super-loud. It's ultra-compact for easy installation. The KAC-622 not only offers twice the power, but also much greater flexibility. Your options include not only standard stereo and bridged mono modes, but also Kenwood's 3-speaker Tri-Mode configuration for driving a stereo pair plus a single subwoofer (call for details). The KAC-622 employs a DC-to-DC converter for maximum output current. Both amps use a special ground isolation network that prevents noise generated by today's sophisticated electrical systems from entering the power amplification stage. Preamp inputs only.

KAC-322 Specifications: 15 watts x 2 channels into 4 ohms (30-20,000 Hz) at 1.0% THD, Signal-to-Noise ratio 95 dB. Dim: 4 1/4"W x 1 1/4"H x 3 3/4"D. Warranty: 1 year.

Item #113KAC322 List Price: \$99

YOUR LOW PRICE: \$79

KAC-622 Specifications: 30 watts x 2 channels into 4 ohms (20-20,000 Hz) at 0.08% THD (or 80 x 1), S/N ratio 100 dB. Dim: 9"W x 2"H x 5 1/4"D. Warranty: 1 year.

Item #113KAC622 List Price: \$189

YOUR LOW PRICE: \$149 (pictured)

NEW

NEW



Special Purchase!

Carver Magnetic Field Amps

Carver's Magnetic Field power supply lets their amps deliver large amounts of power while running cooler and drawing less current than conventional amps. In addition to increased efficiency, you get installation flexibility, with RCA preamp- and speaker-level inputs. Both models have a built-in 18dB/octave electronic crossover (80Hz) that enhances their performance as subwoofer amps. If you choose that route, the M-2060 also includes a set of RCA preamp outputs to send the high-pass signal to another amp. In a rave review of the M-4060 in *Car Stereo Review*, the writer summed up his report by saying, "...this is probably the highest-fidelity car amplifier I have yet heard." Made in USA. *Supplies limited.*

M-2060 Specifications: 60 watts x 2 channels into 4 ohms (20-20,000 Hz) at 0.15% THD (or 120 watts x 1), S/N 100+ dB. Dim: 6"W x 2 1/2"H x 10"D. Warr: 1 year. Item #046M2060 List Price: \$340

SPECIAL PURCHASE PRICE: \$219

M-4060 Specs: 60 watts x 4 channels into 4 ohms (20-20,000 Hz) at 0.15% THD (or 120 x 2 or 60/60/120), S/N 100+ dB. Dim: 6"W x 2 3/4"H x 16 1/4"D. Warr: 1 year. Item #046M4060 List Price: \$530

SPECIAL PURCHASE PRICE: \$349

Carver M-2020 Along with 15 watts per channel of clean power, the compact M-2020 includes a built-in 6dB/octave crossover, variable from 1.6k-8k Hz. Ideal for driving a pair of tweeters or midranges.

Specifications: 15 watts x 2 channels into 4 ohms (20-20,000 Hz) at 0.5% THD, S/N ratio 100+ dB. Dim: 6"W x 2 1/2"H x 5 1/2"D. Warr: 1 year.

Item #046M2020 List Price: \$160

YOUR LOW PRICE: \$139



Sony XM-2020 / XM-2040

Choose the XM-2020 for a super-clean 20 watts x 2 channels, or the high-quality 4-channel XM-2040 to complement your system. Both are terrific values. They include RCA preamp inputs with adjustable sensitivity (100mV-2V) and thermal overload protection. And they're stable enough to handle difficult 2-ohm loads!

Specifications: 20 watts x 2 channels into 4 ohms at 0.5% THD (20 watts x 4 channels for XM-2040), Signal-to-Noise ratio 95 dB. Dim: 3 1/4"W x 1 3/4"H x 5 1/4"D (XM-2040 is 4 3/4"W x 1 3/4"H x 7"D). Warr: 1 year.

Item #158XM2020 List Price: \$120

YOUR LOW PRICE: \$69

Item #158XM2040 List Price: \$190

YOUR LOW PRICE: \$129



NEW

Carver Magnetic Field i-Series Amplifiers

Car audio enthusiasts and reviewers alike keep applauding Carver's Magnetic Field amplifier design. It monitors the power demands of the music and selects one of three power supply rails, depending on the signal's voltage needs. Because power is used only on demand, significantly less power is used overall, so Carver amps offer high fidelity while running more efficiently and cooler than conventional amps. But now there's even more to get excited about: Carver's latest i-Series amps deliver that same incredible performance even at low-impedance 2-ohm loads! And they're really flexible, so you'll never want to replace one (but you may want to add more)! The M-2050i, M-2090i, and M-4050i all have a built-in 18 dB/octave electronic crossover (80 Hz) that turns the amp into a subwoofer amp. The M-2050i and M-2090i include a high-pass output, so you can send the signal to another amp. The versatile M-4050i offers selectable bass equalization (6 dB boost at 60 Hz), and even switches from 2-channel to 4-channel bi-amplified mode without added electronics. All four models have continuously variable input level controls (125mV-2V), so they'll match a wide variety of sources. And all have a built-in subsonic filter that suppresses non-musical low frequencies without affecting audible low bass. Other features include 5-way protection circuitry, remote turn-on capability, and gold-plated connectors. Made in USA.

M-2040i Specifications: 40 watts x 2 channels into 4 ohms (20-20,000 Hz) at 0.5% THD (60 watts x 2 channels into 2 ohms or 80 watts mono into 8 ohms), Signal-to-Noise ratio 95 dB. Dimensions: 9 1/4"W x 2 1/2"H x 7"D. Warranty: 1 year.

Item #046M2040i List Price: \$250

YOUR LOW PRICE: \$219

M-2050i Specifications: 50 watts x 2 channels into 4 ohms (20-20,000 Hz) at 0.5% THD (74 watts x 2 channels into 2 ohms or 100 watts mono into 8 ohms), Signal-to-Noise ratio 95 dB. Dimensions: 9 3/4"W x 2 3/4"H x 6"D. Warranty: 1 year.

Item #046M2050i List Price: \$340

YOUR LOW PRICE: \$299

M-2090i Specifications: 90 watts x 2 channels into 2 or 4 ohms (20-20,000 Hz) at 0.5% THD (180 watts mono into 8 ohms), Signal-to-Noise ratio 95 dB. Dimensions: 12 1/2"W x 2 3/4"H x 6"D. Warranty: 1 year.

Item #046M2090i List Price: \$400

YOUR LOW PRICE: \$349 (pictured)

M-4050i Specifications: 50 watts x 4 channels into 2 or 4 ohms (20-20,000 Hz) at 0.5% THD, (100 watts x 2 channels into 4 or 8 ohms), Signal-to-Noise ratio 95 dB. Dimensions: 16 1/2"W x 2 3/4"H x 6 1/4"D. Warranty: 1 year.

Item #046M4050i List Price: \$550

YOUR LOW PRICE: \$479

Alphasonik Amplifiers

PMA Series amps include discrete amplifier transistors, a heavy duty power supply, speaker-level and RCA preamp inputs (sensitivity adjustable from 100mV-10V), and mono bridging for high powered systems. Variable Permatect circuitry allows them to perform at full rated output, even with difficult low-impedance loads!

PMA-2030E Specifications: 30 watts x 2 channels (60 watts mono) into 4 ohms from 5 Hz to 30k Hz at 0.05% THD, S/N Ratio 95 dB. Dimensions: 7 1/4"W x 2 1/4"H x 5 3/4"D. Warranty: 1 year.

Item #2352030E List Price: \$165

YOUR LOW PRICE: \$129

PMA-2050E Specifications: 50 watts x 2 channels (100 watts mono) into 4 ohms from 5 Hz to 30k Hz at 0.05% THD, Signal-to-Noise Ratio 95 dB. Dimensions: 7 1/4"W x 2 1/4"H x 8 3/4"D. Warranty: 1 year.

Item #2352050E List Price: \$199

YOUR LOW PRICE: \$169

PMA-2075E Specifications: 75 watts x 2 channels (150 watts mono) into 4 ohms from 5 Hz to 30k Hz at 0.05% THD, Signal-to-Noise Ratio 95 dB. Dimensions: 7 1/4"W x 2 1/4"H x 12"D. Warranty: 1 year.

Item #2352075E List Price: \$249

YOUR LOW PRICE: \$199

PMA-2100E

Specifications: 100 watts x 2 channels (200 watts mono) into 4 ohms from 5 Hz to 30k Hz at 0.01% THD, S/N Ratio 98 dB. Dim: 7 1/4"W x 2 1/4"H x 13 1/2"D. Warranty: 1 year.

Item #2352100E List Price: \$349

YOUR LOW PRICE: \$299

PMA-2150E Specifications: 150 watts x 2 channels (300 watts mono) into 4 ohms from 5 Hz to 30k Hz at 0.01% THD, Signal-to-Noise Ratio 98 dB. Dimensions: 7 1/4"W x 2 1/4"H x 14 1/2"D. Warranty: 1 year.

Item #2352150E List Price: \$449

YOUR LOW PRICE: \$399

PMA-4050E Specifications: 2-, 3-, or 4-channel operation, 50 watts x 4 channels into 4 ohms at 0.01% THD (100 x 2 or 50/50/100), Signal-to-Noise ratio 95 dB. Dim: 8 1/2"W x 2 1/2"H x 12 1/2"D. Warranty: 1 year.

Item #2354050E List Price: \$445

YOUR LOW PRICE: \$249



PAS-1060 Subwoofer Amp

All 60 watts of power are concentrated in the bass range from 15 to 150 Hz. The versatile EQ controls let you select the range and level of the frequencies to be boosted. Preamp-level and speaker-level inputs are provided, and you can drive one woofer or a pair connected in parallel.

Specifications: 60 watts mono into 4 or 2 ohms from 15 to 150 Hz at .05% THD, 0-12 dB boost freq. variable from 30 to 100 Hz, 24 dB crossover at 150 Hz, Variable Permatect protection circuitry. Dimensions: 6 1/2"W x 2 1/4"H x 8"D. Warranty: 1 year.

Item #235PAS1060 List Price: \$190

YOUR LOW PRICE: \$159



HiComp HCB-8036

With 18 continuous watts per channel, this pocket rocket will add real punch to any power-starved system. It includes both RCA and speaker-level inputs, with adjustable sensitivity to match nearly any head unit. Join the thousands of Crutchfield customers who are already enjoying cleaner sound thanks to HiComp.

Specifications: 18 watts x 2 channels into 4 ohms (20-20,000 Hz) at 1.0% THD, Signal-to-Noise ratio 75 dB. Dimensions: 5¼"W x 1¼"H x 5¼"D. Warranty: 1 year. Item #220HCB8036 List Price: \$60

YOUR LOW PRICE: \$39



NEW

Pioneer GM-H50 / GM-H100

The demands of car stereo sound-off competitions gave birth to a new breed of amplifier. One that could drive multiple pairs of speakers and handle torturous loads of 2 ohms or even less, that would bring an ordinary amp to its knees in a heartbeat. Pioneer's GM-H50 and GM-H100 belong to this new breed, and they'll take your system where other amps just can't go. The GM-H50 delivers 25 watts per channel into 4 ohms, 40 watts per channel into 2 ohms, and 80 watts in bridged mono mode, all with incredibly low distortion (0.05% THD!). The GM-H100 doubles output power across the board: 50 x 2, 80 x 2 into 2 ohms, and 160 x 1. But Pioneer wasn't satisfied with just high-current power. Both models include a built-in parametric equalizer to add extra slam to bass frequencies (40-120 Hz; 0 to +12dB). These are among the most noise-free amps you'll ever hear, thanks to a dual-loop negative feedback circuit and a new isolator circuit that reduces ground-related interference like alternator noise. To people who say "watts are watts", we say, listen to these!

GM-H50 Specifications: 25 watts x 2 channels into 4 ohms (20-20,000 Hz) at 0.05% THD (or 80 x 1), Signal-to-Noise ratio 100 dB. Dimensions: 10¾"W x 2"H x 7"D. Warranty: 1 year.

Item #130GMH50 List Price: \$264

YOUR LOW PRICE: \$199

GM-H100 Specifications: 50 watts x 2 channels into 4 ohms (20-20,000 Hz) at 0.05% THD (or 160 x 1), Signal-to-Noise ratio 100 dB. Dimensions: 10¾"W x 2¼"H x 10¼"D. Warranty: 1 year.

Item #130GMH100 List Price: \$336

YOUR LOW PRICE: \$259 (pictured)



Sherwood XA-1041 / XA-1040

Here are two ways to beef up your car system without shelling out big bucks. The XA-1041 is a 4-channel workhorse with 14 watts per channel of clean power. If you only need to power two speakers, the new XA-1040 produces 14 watts x 2. Both include RCA preamp inputs with variable sensitivity.

Specifications: 14 watts x 4 channels into 4 ohms (20-20,000 Hz) at 0.5% THD (XA-1040 has 14 watts x 2), S/N 85 dB (90 dB for XA-1040). Dim: (XA-1041) 5¼"W x 1½"H x 8¾"L; (XA-1040) 5¼"W x 1½"H x 4¼"L. Warranty: 1 year.

Item #150XA1041 List Price: \$90

YOUR LOW PRICE: \$69 (pictured)

Item #150XA1040 List Price: \$80

YOUR LOW PRICE: \$49



Jensen A-220/A-320/A-432

You like the sound of your system but you want more of it? These Jensen amps are some of our best watts-per-dollar values. All three use efficient, cool-running MOS-FET power supplies and discrete bi-polar output transistors for improved performance and reliability. They're flexible too, offering regular and high power bridged modes. The A-220 and A-320 provide stereo or high-powered mono operation, while the new A-432 offers the increasingly popular 2-, 3-, or 4-channel design. All models include RCA preamp and speaker level inputs with adjustable sensitivity, along with complete circuit and thermal overload protection.

A-220 Specifications: 50 watts x 2 channels into 4 ohms (20-20,000 Hz) at 0.5% THD (or 125 x 1), Signal-to-Noise ratio 86 dB. Dimensions: 8½"W x 2½"H x 8"D. Warranty: 1 year.

Item #110A220 List Price: \$200

YOUR LOW PRICE: \$129

A-320 Specifications: 75 watts x 2 channels into 4 ohms (20-20,000 Hz) at 0.5% THD (or 175 x 1), Signal-to-Noise ratio 86 dB. Dimensions: 8¾"W x 2½"H x 11"D. Warranty: 1 year.

Item #110A320 List Price: \$300

YOUR LOW PRICE: \$179

A-432 Specifications: 50 watts x 4 channels into 4 ohms (20-20,000 Hz) at 0.5% THD (or 125 x 2 or 50/50/125), Signal-to-Noise ratio 86 dB. Dimensions: 7¾"W x 2"H x 15¾"D. Warranty: 1 year.

Item #110A432 List Price: \$330

YOUR LOW PRICE: \$219 (pictured)

NEW



Sherwood Amplifiers **NEW**

If you like to drive your amplifiers to the limit, take a good look at these new Sherwoods. They'll take as much punishment as you can dish out and keep on playin'. Sherwood's intelligent Bullet Proof protection circuitry monitors operation and provides absolute protection against shorts, overloads and overheating without shutting down the amplifier. In addition to massive heatsinks, all four models include Active Thermal Induction (ATI). A low-noise brushless-motor fan directs air through a special duct, making sure the amp doesn't lose its cool. Other features shared by these amps include a pulse width modulated power supply, discrete amplifier stages, high power bridging, and RCA preamp inputs with adjustable sensitivity. The XA-1100 and XA-1180 are 2-channel models (bridgeable to mono), while the XA-1181Q and XA-1240Q give you the flexibility of 2-, 3-, or 4-channel modes.

XA-1100 Specifications: 40 watts x 2 channels into 4 ohms (20-20,000 Hz) at 0.5% THD (or 100 x 1), Signal-to-Noise ratio 90 dB. Dimensions: 8¾"W x 3"H x 10¼"D. Warranty: 1 year.

Item #150XA1100 List Price: \$190

YOUR LOW PRICE: \$139

XA-1180 Specifications: 70 watts x 2 channels into 4 ohms (20-20,000 Hz) at 0.5% THD (or 180 x 1), Signal-to-Noise ratio 95 dB. Dim: 8¾"W x 3"H x 11¼"D. Warranty: 1 year.

Item #150XA1180 List Price: \$250

YOUR LOW PRICE: \$189

XA-1181Q Specifications: 2-, 3-, or 4-channel operation, 30 watts x 4 channels into 4 ohms (20-20,000 Hz) at 0.5% THD (or 60 x 2 or 30/30/60), Signal-to-Noise ratio 90 dB. Dim: 9"W x 3"H x 11¼"D. Warranty: 1 year.

Item #150XA1181Q List Price: \$290

YOUR LOW PRICE: \$199 (pictured)

XA-1240Q Specifications: 2-, 3-, or 4-channel operation, 50 watts x 4 channels into 4 ohms (20-20,000 Hz) at 0.5% THD (or 100 x 2 or 50/50/100), Signal-to-Noise ratio 95 dB. Dim: 9"W x 3"H x 13"D. Warranty: 1 year.

Item #150XA1240Q List Price: \$350

YOUR LOW PRICE: \$239

Consumer Tip

Amplifier Wiring Kit

For an easy, hassle-free installation we strongly recommend

the Amplifier Wiring Kit. It includes everything you need to install your new amp: 20' fuse-protected 10-gauge power wire, 16' ground and turn-on leads, plus Flex-Gard tubing and wire ties.

Item #263TRUNK **YOUR PRICE: \$14**





Clarion 52EQ / 72EQ Passive Equalizers

Discover what a passive equalizer can do for your system with one of these affordable Clarions. The 52EQ has 5 bands of equalization and a dual amp balancer. It accepts RCA or speaker-level inputs (even high powered). Includes EQ Defeat and LED level indicators. The 72EQ (pictured) is the 7-band version that adds an adjustable subwoofer output with selectable low-pass frequency. 72EQ has RCA preamp inputs only.

Specifications: Frequency Response 20-20,000 Hz; Signal-to-Noise ratio 95 dB; THD 0.05%. 72EQ Subwoofer low-pass frequencies (50/80/120 Hz). Dimensions: (52EQ) 7"W x 1"H x 6 1/4"D; (72EQ) 7"W x 1"H x 6 1/4"D. Warranty: 1 year.

Item #02052EQ List Price: \$90 **YOUR LOW PRICE: \$69**

Item #02072EQ List Price: \$160 **YOUR LOW PRICE: \$119**



Sony XE-70 Passive Equalizer

Equalize and fade between two amps with the compact XE-70. You have 7 bands of equalization with a 12 dB range. Sleek (half-DIN) size with illuminated slide controls. RCA preamp inputs only.

Specifications: Frequency Response (± 3 dB) 5-100,000 Hz, Signal-to-Noise Ratio 105 dB, THD 0.005%. Dimensions: 7"W x 1"H x 6 1/4"D. Warranty: 1 year.

Item #158XE70 List Price: \$150 **YOUR LOW PRICE: \$119**



Pioneer EQ-4000 Passive Equalizer

The EQ-4000's nine bands were selected to let you tailor your system's response octave by octave. The two sets of preamp outputs are controlled by the dual-amp balancer. Includes switchable amber/green illumination. RCA preamp inputs only.

Specifications: Frequency Response (± 3 dB) 20-30,000 Hz, Signal-to-Noise ratio 101 dB, THD 0.05%. Dimensions: 7"W x 1"H x 5 1/4"D. Warranty: 1 year.

Item #130EQ4000 List Price: \$192 **YOUR LOW PRICE: \$129**



Kenwood KGC-4042 Passive Equalizer

Though incredibly compact, this 5-band EQ can make a big difference in the sound of your system. It has 3 sets of RCA preamp outputs, 2 full-range (fader-controlled) and 1 subwoofer. Subwoofer output has adjustable crossover frequency and level control.

Specifications: Frequency Response (± 3 dB) 10-60,000 Hz, Signal-to-Noise ratio 100 dB, THD 0.01%. Variable subwoofer output (30-150Hz). Dim: 3 1/2"W x 1"H x 6 1/4"D. Warranty: 1 year.

Item #113KGC4042 List Price: \$189 **YOUR LOW PRICE: \$149**



Pioneer EQ-6000 Passive Equalizer

Multi-amp systems really benefit from the EQ-6000's flexibility. Along with 8 ordinary bands, there's a parametric band from 40-80Hz to really fine-tune the bass. The subwoofer crossover offers true 2-way operation: low-pass to woofers and high-pass to mids & tweeters. Includes switchable amber/green illumination.

Specifications: Frequency Response (± 3 dB) 20-30,000 Hz, Signal-to-Noise ratio 101 dB, THD 0.05%. Subwoofer crossover frequencies (50/80/120Hz). Dimensions: 7"W x 1"H x 5 1/4"D. Warranty: 1 year.

Item #130EQ6000 List Price: \$288 **YOUR LOW PRICE: \$199**



Sony XE-90 MK II Passive Equalizer

Multi-amp systems can sound phenomenal, but often require a quality passive EQ to balance them. The XE-90 gives you 9 bands of precise control, plus a special "listening position" control to optimize stereo imaging. The XE-90 has 2 pairs of full-range outputs, and a pair of subwoofer outputs with selectable crossover frequency and volume control. RCA preamp inputs only.

Specifications: Freq. resp. 5-100,000 Hz, Signal-to-Noise ratio 105 dB, THD 0.005%; Subwoofer low-pass freq. (80 Hz, 120 Hz). Dim: 7"W x 1"H x 6 1/4"D. Warranty: 1 year.

Item #158XE90II List Price: \$250 **YOUR LOW PRICE: \$199**



Sony XE-D75 Passive Equalizer

It's like two EQs in one! The XE-D75 includes 5-band equalization (12dB range) for the front and a separate 7-band EQ for the back with front/rear fading. You get separate EQ Defeat switches, too. It also provides a high/low 2-way 80 Hz crossover, and subwoofer output with level control. RCA preamp inputs only.

Specifications: Frequency Response (± 3 dB) 8-100,000 Hz, Signal-to-Noise ratio 105 dB. Dimensions: 7"W x 1"H x 6 1/4"D. Warranty: 1 year.

Item #158XED75 List Price: \$250 **YOUR LOW PRICE: \$199**



Kenwood KGC-6042 Parametric Passive EQ

For getting your music to sound just right in your vehicle, no ordinary EQ can beat this sophisticated 11-band Kenwood. Along with 9 normal bands, the KGC-6042 has 2 parametric bands with variable center frequencies (30-800Hz and 800-16kHz) for incredibly precise control. A dual-amp balancer controls the 2 sets of full-range preamp outputs; the subwoofer output has adjustable crossover frequency and level control. RCA preamp inputs only.

Specifications: Freq. Resp. (± 3 dB) 20-60,000 Hz, S/N ratio 100 dB, THD 0.01%. Variable subwoofer output (30-150Hz). Dim: 7"W x 1"H x 7 1/2"D. Warranty: 1 year.

Item #113KGC6042 List Price: \$319 **YOUR LOW PRICE: \$249**



Clarion 100EQB-7 EQ/Booster

An inexpensive and easy way to add equalization and beef up the power to your system! The 100EQB-7 provides 13.5 watts x 2 channels, a 5-band graphic equalizer, and EQ Defeat switch. Includes 4 speaker outputs and front/rear fading. Accepts common or floating ground speaker level inputs only.

Specifications: 13.5 watts x 2 channels, THD 1.0%, Signal-to-Noise ratio 90 dB. Dimensions: 7"W x 1"H x 6 1/4"D. Warranty: 1 year.

Item #020100EQB7 List Price: \$90 **YOUR LOW PRICE: \$69**



Clarion 704EQA / 703EQA EQ/Boosters

The 704EQA has 7 bands, 4-channel power with front-to-rear fading, and an adjustable subwoofer output. Low-pass frequency is selectable (50/80/120 Hz). The 703EQA offers 13.5 watts x 2 channels, with a full range preamp output. Both models have an EQ Defeat switch, RCA in/out connectors, and handle low- or high-powered speaker-level inputs. 704EQA is pictured.

Specifications: 13.5 watts x 4 (704EQA), 13.5 watts x 2 (703EQA); THD 1.0%; Signal-to-Noise ratio 92 dB. Dimensions: 7"W x 1"H x 6 1/4"D. Warranty: 1 year.

Item #020704EQA List Price: \$190 **YOUR LOW PRICE: \$149**

Item #020703EQA List Price: \$150 **YOUR LOW PRICE: \$119**

Whistler 680

NEW

Whistler's inexpensive 680 lets you drive with confidence, knowing that you have dependable coverage for most-frequently-used X and K band radar bands, and tricky Ka photo radar signals. It provides an informative LED signal strength display, and separate X, K, and Ka audio alerts that let you know exactly what type of radar is being used. The sleek 680 also includes an automatic self-test, City/Highway switch, Mute, and full range volume control. Accessories include straight power cord, visor bracket, hook & loop dash fastener. Dim: 3"W x 1 1/4"H x 4 3/4"D. Warranty: 1 year. Item #229WH680 List Price: \$140
YOUR LOW PRICE: \$99



Whistler Spectrum 2-SE

You'll stay a step ahead with the Spectrum 2-SE on alert. It provides accurate monitoring of X, K, and Ka photo radar bands. Small enough to fit in your shirt pocket, the Spectrum 2-SE offers unsurpassed sensitivity, with finely tuned selectivity: frequencies where traffic radar does not exist are ignored. The digital display indicates the strength of the incoming signal. Features include Dark and Mute modes, volume control and automatic self-test. Comes with 5' straight cord, 6' coiled cord, accessories for dash/visor/windshield mounting, and a carry case. Dim: 2 3/4"W x 1 1/8"H x 5"D. Warranty: 3 years. Item #229SPEC2SE List Price: \$300
NEW LOW PRICE: \$159



Cobra RD-5110 Remote

Here's a beautifully engineered remote detector. Supplied brackets and trim plates give you the option of mounting the Euro-style control unit under or in the dash. The weather-proof superheterodyne detector mounts behind your grille or under the front bumper. Cobra's included features: separate X and K band audible and visual alerts, pulse radar detection, 5-segment LED signal strength meter, City/Highway switch, Mute, Dim, Volume control, and disguise cover for the control head. Control Head: 3 3/4"W x 3/4"H x 2"D; Detector 3 5/8"W x 1 1/2"H x 3 3/4"D. Warranty: 1 year. Item #079RD5110 List Price: \$270
YOUR LOW PRICE: \$189

Sorry, we cannot ship Radar Detectors to Virginia. Use may be regulated by state or local laws.

BEL Legend 3

The Legend 3's precision-tuned X, K, and Ka radar frequencies provide unequaled sensitivity. It also uses an advanced signal processing technique to instantly verify (within 5 milliseconds) whether a detected signal is police radar or a random, non-threatening signal. Memory Retention retains your preferred volume level, along with all your other settings whenever the Legend 3 is cut off. Other features include: separate audible and visible alerts for X, K, and Ka radar, city/highway sensitivity selector. BEL's 966ST uses specially designed "Shadow Technology" for unparalleled protection from "radar detector detectors." Dash, visor, windshield mounting w/6' coiled cord and 9' straight cord. Dimensions: 4 3/8"W x 2 7/8"H x 1 1/8"H. Warranty: 3 years. Item #083BEL966 List Price: \$380
YOUR LOW PRICE: \$249 (pictured)
Item #083966ST List Price: \$420
YOUR LOW PRICE: \$299



Cobra RD-3183

The 3-band RD-3183 uses two separate radar sensing components: one to detect Ka band and another for X and K bands. The result is a more accurate (less falsing) detector. Other features include: separate X, K, and Ka audio and visual alerts, 5-segment LED signal strength meter, Highway/City switch, volume control, Test/Mute button. Includes: windshield/visor mounting brackets, straight and coiled power cords, and a travel case. Dimensions: 3 1/4"W x 3/4"H x 4 3/4"D. Item #079RD3183 List Price: \$330
NEW LOW PRICE: \$179



Cobra 39 Plus CB

The 39 Plus is perfect for occasional or emergency use. It's a completely self-contained 40-channel CB that needs no installation and is powered from your cigarette lighter. Easy to use, with built-in microphone, soft-touch tuning keys, LED channel display, instant Channel 9 access, and squelch and volume controls. Also included: full-size telescoping magnetic mount antenna, antenna cord, soft storage case. Warranty: 1 year. Item #07939PLUS List Price: \$70
YOUR LOW PRICE: \$59



BEL Express 3 Cordless

These battery-powered radar detectors give you X, K, and Ka band coverage with separate audio and visual alerts and instant on/pulse radar protection. A 9-volt battery provides several months of full sensitivity with normal use. Conveniences include a low battery indicator and dim/dark switch. Mounting hardware is included, or snap on the provided reflector and enjoy radar detection from your pocket! BEL's 990M, designed for motorcycle use, offers an external speaker for attaching in your helmet. 9-volt battery and travel case included. Dim: 2 7/8"W x 1 1/8"H x 4 3/4"L. Warr: 1 year. Item #083BEL990 List Price: \$400
YOUR LOW PRICE: \$299
Item #083BEL990M List Price: \$420
YOUR LOW PRICE: \$319



Midland 77-225A CB Radio

This 40-channel CB has all the operating controls on the microphone. The other base components are safely tucked away in a separate case that you can put under your seat or in your trunk (extension cable required for trunk mounting, see below). It features a large LED display, emergency Channel 9 switch, variable volume and squelch controls, electronic up/down tuning, and local/distant switch. Dim: (base case) 4 3/4"W x 1 1/4"H x 6 1/2"D; (mic) 2 3/4"W x 4 3/8"H x 1 1/4"D. Warr: 1 year. Item #10277225A List Price: \$250
YOUR LOW PRICE: \$129
12' Microphone Ext. Cable #10218225 \$29
Stereo System Interrupt (for 77-225A only) Item #10218226 \$34



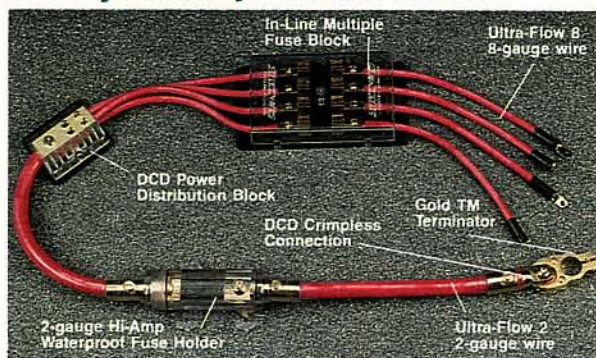
Midland 77-094W / 77-116W CB Radios

Compact enough for motorcycles and RVs, the 40-channel 77-094W has an all-metal cabinet, quick-disconnect bracket, and LED channel display. The 77-116W adds a built-in VHF weather receiver, so you can monitor the three N.O.A.A. 24-hour weather channels (162MHz) for advance severe weather warnings. It features up/down channel selection, instant Channel 9 access, variable volume and squelch controls, and a speaker jack. Both models include a magnetic mount antenna and pre-wired cable. Dim: (77-094W) 4 1/2"W x 1 3/8"H x 6 1/2"D; (77-116W) 6"W x 1 1/8"H x 8"D. Warr: 1 year. Item #10277094W List Price: \$150
YOUR LOW PRICE: \$59 (pictured)
Item #10277116W List Price: \$150
YOUR LOW PRICE: \$89



StreetWires Power Cable System by Esoteric Audio

If you want to have the professional edge of a good, clean installation, you'll want the best quality wiring available. Your installation will look better, sound better, last longer, and offer consistent and reliable performance. Here at Crutchfield, we think that the StreetWires Power Cable System is by far the best you can buy. With premium StreetWires wiring and connectors, you'll be able to achieve the full capability of your car stereo system for the highest quality sound possible. StreetWires products are manufactured right here in the USA, with strict quality control monitored and maintained every step of the way.



Gold TM Terminator—24-karat gold-plated solid-brass battery terminal with two 8-gauge auxiliary outputs. (Requires DCD connector).

Item #21101041

YOUR PRICE: \$39/pair

DCD Crimp Connectors—24-karat gold-plated; tube design allows for waterproof connection when combined with included heat shrink.

Item #21102020 8-gauge

YOUR PRICE: \$3.50/2-pack

Item #21102040 4-gauge

YOUR PRICE: \$4.50/2-pack

Item #21102060 2-gauge

YOUR PRICE: \$7/2-pack

DCD Crimpless Connectors—24-karat gold-plated; crimpless set-screw design allows proper termination without crimp tool. Includes heat shrink for waterproof connections.

Item #21102161 8-gauge (1 red, 1 black)

YOUR PRICE: \$16/2-pack

Item #21102171 4-gauge (1 red, 1 black)

YOUR PRICE: \$14/2-pack

Item #21102181 2-gauge (1 red, 1 black)

YOUR PRICE: \$16/2-pack

DCD Ultra-Flow Power Cables—for providing power to multiple amplifiers through power distribution blocks. Ultra-fine stranded pure electrolytic grade copper in a chemical-resistant, ultra-flexible jacket.

8-gauge—75 ampere rating

Item #211UF8500R Red

Item #211UF8500B Black

YOUR PRICE: \$1/foot

4-gauge—150 ampere rating

Item #211UF4250R Red

Item #211UF4250B Black

YOUR PRICE: \$2.50/foot

2-gauge—200 ampere rating

Item #211UF2125R0 Red

Item #211UF2125B Black

YOUR PRICE: \$5/foot

DCD Power Distribution Block—one-piece solid-brass design. Connects one DCD Ultra-Flow 4- or 2-gauge power cable to as many as four DCD Ultra-Flow 8-gauge power cables (see photo above).

Item #21105021 4-gauge/Red

Item #21105024 4-gauge/Black

YOUR PRICE: \$29

Item #21105041 2-gauge/Red

Item #21105044 2-gauge/Black

YOUR PRICE: \$29

Clear Amprotect Waterproof Fuse Holders—for in-line use with 8-, 4-, or 2-gauge DCD Ultra-Flow power cables. 4- and 8-gauge models accommodate 10-60 amp Amprotect fuses. Clear housing for easy fuse inspection.

Item #21104121 8-gauge

YOUR PRICE: \$19 each

Item #21104131 4-gauge

YOUR PRICE: \$19 each

Item #21104151 2-gauge for Hi-Amp fuses (80-200 Amp)

YOUR PRICE: \$30 each

Amprotect In-Line Multiple Fuse Block—designed for use with 8-gauge DCD Ultra-Flow power cables. These fuse blocks hold any combination of 10-60 amp fuses for up to four amplifiers (no power rings required). Clear housing for easy fuse inspection (see photo above).

Item #21104041 2-fuse block

YOUR PRICE: \$34

Item #21104051 3-fuse block

YOUR PRICE: \$39

Item #21104061 4-fuse block

YOUR PRICE: \$44

Combination Power Distribution/Fuse Block—

eliminates the need for a power block by accepting a terminated 4- or 2-gauge power cable.

4-Fuse Block/Combination.

Item #21104101

YOUR PRICE: \$69



Amprotect Heavy-duty Fuses—10-200 amp rating. (Hi-Amp fuses for #21104151 only)

Item #21104221 10-amp

Item #21104231 15-amp

Item #21104241 20-amp

Item #21104261 30-amp

Item #21104271 35-amp

Item #21104281 40-amp

Item #21104291 50-amp

Item #21104301 60-amp

YOUR PRICE: \$6/4-pack

Item #21104371 80-amp Hi-Amp

Item #21104381 100-amp Hi-Amp

Item #21104411 200-amp Hi-Amp

YOUR PRICE: \$13 each



Air Litz 1 Interconnect Cables—double shielded, ultra-flexible design. These oxygen-free interconnects use a pure litz center conductor, super high conductivity copper windings, and silver-soldered connections. Terminated with Super-Link RCA connectors.

Item #21115230 1-foot pair **\$29**

Item #21115245 3-foot pair **\$34**

Item #21115255 6-foot pair **\$39**

Item #21115265 10-foot pair **\$49**

Item #21115275 16-foot pair **\$59**

Item #21115280 20-foot pair **\$69**



Easy-Tech Interconnect Cables—oxygen-free, double shielded, and ultra-flexible. Design includes super high conductivity copper windings, silver-soldered connections, and a center wire for remote power. Terminated with Easy-Link RCA connectors.

Item #21115855 1-foot pair **\$16**

Item #21115870 3-foot pair **\$19**

Item #21115880 6-foot pair **\$24**

Item #21115890 10-foot pair **\$29**

Item #21115900 16-foot pair **\$39**

Item #21115905 20-foot pair **\$44**

DCD Connectors

8-gauge gold-plated Power Ring

Item #21102020

YOUR PRICE: \$3.50/2-pack

4-gauge gold-plated Power Ring

Item #21102040

YOUR PRICE: \$4.50/2-pack

8-gauge gold-plated barrier spades

Item #21102140

YOUR PRICE: \$3.50/2-pack

Gold-plated right-angle RCA connectors

Item #21117101

YOUR PRICE: \$12/2-pack

Streetwires Speaker Wire

Made of pure electrolytic-grade copper, these wires offer a low-profile design and ultra-flexible non-gripping jacket for easy installation.

16 gauge

Item #211161000

YOUR PRICE: 20¢/ft

14 gauge

Item #211141000

YOUR PRICE: 40¢/ft

12 gauge

Item #211SC1000 **YOUR PRICE: 60¢/ft**



Interlink 101 Patch Cords

by Monster Cable

These heavily-shielded interconnects put quality cables within reach of any budget. Each pair includes an extra wire you can use as an amp turn-on lead or just tape off and ignore.



Item #119I101HM 1/2-meter pair

YOUR LOW PRICE: \$9

Item #119I1011M 1-meter pair

YOUR LOW PRICE: \$11

Item #119I1013M 3-meter pair

YOUR LOW PRICE: \$16

Item #119I1015M 5-meter pair

YOUR LOW PRICE: \$25

Item #119I1016M 6-meter pair

YOUR LOW PRICE: \$29

Monster Cable XP

Don't short-change the crucial connection between your amplifier and speakers. High purity copper and Monster's special winding construction let the music flow. Flat, twin-lead design makes installation easy.



Item #119XPMS20 20' spool **\$11**

Item #119XPMS30 30' spool **\$16**

Item #119XPMS50 50' spool **\$24**

Faders

Series Fader-100 watts/channel maximum.

Item #134AC46A **YOUR LOW PRICE: \$19**

Dual Amp balancer (RCA in/out)

Item #158XA20 **YOUR PRICE: \$29**

Noise Suppressors

15 amp double wound noise filter

Item #003S15A..... **YOUR PRICE: \$12**

25 amp double wound noise filter

Item #003S25A..... **YOUR PRICE: \$18**

5 amp filter choke

Item #130AD990..... **YOUR PRICE: \$10**

Electronic ignition noise suppressor

Item #127CNS15..... **YOUR PRICE: \$10**

Alternator noise suppressor

Item #127ANS80..... **YOUR PRICE: \$10**

Ignition coil filter for Fords

Item #130AD992..... **YOUR PRICE: \$14**

Source noise filter for wipers, signals, etc.

Item #127SNF1..... **YOUR PRICE: \$9**

RCA to RCA signal noise isolator

Item #127SNI1..... **YOUR PRICE: \$14**

Deluxe antenna noise suppressor

Item #003AS100..... **YOUR PRICE: \$10**

Amplifier turn-on/turn-off thump eliminator

Item #127MC100..... **YOUR PRICE: \$49**

Extra MC100 module #127MCS..... **\$34**

Radio-frequency interference noise shielding, 15"x10" sheet

Item #127COF2..... **YOUR PRICE: \$19**

Flex Loom

Clean up all those loose, dangling wires in your car audio installation with Flex Loom. This flexible, protective black plastic tubing is pre-cut to slip neatly over wires for a tidy look in just seconds. Measuring 1/2-inch in diameter, Flex Loom is packaged in a 25-foot length.



Item #044SLT255B Black

YOUR LOW PRICE: \$9/pk (25 feet)

Special Adapters

Adapt 4x10 openings for 6x9 speakers. For bottom-mounting speakers only.

Item #008101GMS **YOUR PRICE: \$14/pr.**

Adapt 5x7 / 6x8 openings for 6x9 speakers. For bottom-mounting speakers only.

Item #008202S **YOUR PRICE: \$14/pr.**

Common to Floating ground adapter.

Item #134AC15K **YOUR PRICE: \$5**

Gold double female RCA coupler.

Item #217CAG250A **YOUR PRICE: \$4/pr.**

Monster Cable Y-Adapter: one-female-to-two-male, gold plated.

Item #119ILJRY1F **YOUR PRICE: \$4**

Pioneer DIN to RCA adapter.

Item #130ADDR3 **YOUR PRICE: \$10**

Alpine DIN output to RCA input (fits old and new versions).

Item #061AL8DF **YOUR PRICE: \$10**

Kenwood DIN output to RCA input (fits old and new versions).

Item #061KN8DF **YOUR PRICE: \$10**

Speaker-level to RCA adapter/noise suppressor. Includes separate right- and left-channel sensitivity adjustment.

Item #127SNI35 **YOUR PRICE: \$19**

Dynamat 6211

For the best sound possible from your car's audio system, install Dynamat. Applied to accessible sheet metal, fiberglass, or plastic body parts, this ultra-thin lightweight sheet of vibration-absorbing material can reduce noise by 3 dB or more, effectively doubling your system's amplifier power! Primary attention should be given to panels adjacent to speakers, then the floor, firewall, doors, trunk and roof. The more area covered, the quieter the ride! Moisture-proof and self-adhesive, it installs easily with a heat gun or common hair dryer.



Item #1546211433 (4.33 sq. ft.)

YOUR PRICE: \$19

Item #154621113 (13 sq. ft.)

YOUR PRICE: \$54

Item #154621139 (39 sq. ft.)

YOUR PRICE: \$149



Installation Tools

A. Trim Pad Remover - removes plastic trim pad fasteners used on GM and import cars since early '70s. Will not damage trim pad or fasteners. Works equally well on metal trim fasteners on Ford, Chrysler, and other cars.

Item #18187650 **YOUR LOW PRICE: \$8**

B. Crimping Tool - strong, positive action crimps wire up to 10 AWG. Cuts and strips wire up to 14 AWG. Spring loaded with heavy insulated grips.

Item #056HT202B **YOUR PRICE: \$10**

C. Wire Stripper - cuts and strips solid or stranded wire perfectly. Handles 12-22 gauge wire with single or multiple conductor. Automatically adjusts to wire size. Not designed to strip teflon or similar insulations.

Item #18119000 **YOUR LOW PRICE: \$12**

D. Door Handle Clip Remover - quickly and easily removes window regulator arm and door handle on most vehicles. One end fits retaining clips on GM, Ford, and AMC. Other end is sized for Chrysler, and some later AMC models.

Item #18187615 **YOUR LOW PRICE: \$4**

E. Heavy Duty Circuit Tester - for checking 6 & 12 volt systems. Includes heavy duty ground clip and insulator and 5' of insulated lead with strain relief support at handle.

Item #18127000 **YOUR LOW PRICE: \$9**

F. Skewdriver® - gear drive offset screwdriver for those hard-to-get-at places. The low-profile driver has a magnet to hold the standard 1/4" hex bits in place. Comes with #1, #2 Phillips, 3/16" and 1/4" slotted, and T-15 Torx bit for GM dashboards. Bits store in handle.

Item #1802050 **YOUR LOW PRICE: \$14**

G. Flexible Flashlight - this flexible wire flashlight holds the shape you give it and shines where other lights can't. Focused, high intensity 1/4" bulb fits into tight spots.

Item #07032250 **YOUR PRICE: \$10**

PAC Bass Blockers

If you have 3 1/2", 4" or 4x6" speakers in your dash and 6x9" or 8" in the rear, install PAC's Bass Blockers on your dash speakers so they don't work overtime trying to reproduce bass notes they weren't designed for.

Blocks below 150 Hz (8 ohm)/300 Hz (4 ohm). Item #127BB1 **YOUR PRICE: \$4 ea.**

Blocks below 300 Hz (8 ohm)/600 Hz (4 ohm). Item #127BB2 **YOUR PRICE: \$4 ea.**

Blocks below 400 Hz (8 ohm)/800 Hz (4 ohm). Item #127BB3 **YOUR PRICE: \$4 ea.**

Blocks below 600 Hz (8 ohm)/1200 Hz (4 ohm). Item #127BB4 **YOUR PRICE: \$4 ea.**

Blocks below 1400 Hz (8 ohm)/2800 Hz (4 ohm). Item #127BB5 **YOUR PRICE: \$4 ea.**

Blocks below 2800 Hz (8 ohm)/5600 Hz (4 ohm). Item #127BB6 **YOUR PRICE: \$4 ea.**

Portable CD Case

Finally, a rugged, attractive case for your portable CD player and accessories. The player compartment has a full zipper closure to keep your player clean and dust-free while allowing full access to all its controls. Zippered access on the bottom lets you connect your power and line out jacks without removing the player. The full-size pocket can hold 4 CDs or a 12-disc wallet (see below), a battery pack or headphones. Made of water- and snag-resistant fabric with thick foam padding.

Item #227DM1 **YOUR PRICE: \$19**

CD Wallet

Made of durable nylon with foam padding for maximum protection, this handy CD wallet holds up to 12 discs without jewel boxes. It's the most space-efficient CD storage system we've seen for car or portable use. And it fits perfectly in the pocket of the DM1 portable CD case (see above). Zippered closure keeps CDs clean and dust free. See-through plastic pockets allow easy disc selection.

Item #227CDW12 **YOUR PRICE: \$12**



Cassette and CD Bags by Case Logic

Organize and protect your music on the go with these handsome, durable nylon bags. A plastic interior tray and foam padding maximize protection. Each size cassette and CD bag is available in 4 colors (red, blue, black, gray). *Note: 60-CD bag is not available in red.* To indicate color choice, insert the appropriate 2-letter code in place of the two question marks in the item numbers: Red-RD, Blue-BL, Black-BK, Gray-GR. Example: the 30-CD bag in red would be Item #227CD30RD.

15-Tape Bag: Item #227CL15?? **\$9**

30-Tape Bag: Item #227CP30?? **\$16**

15-CD Bag: Item #227CD15?? **\$14**

30-CD Bag: Item #227CD30?? **\$19**

60-CD Bag: Item #227CD60?? **\$29**

Scosche Portable CD Holder

If you can't find a convenient spot in your car to mount a portable CD player, or if your player mistracks frequently, we have the solution. This ingenious device combines a tilt/swivel universal mount and a NAVCOM vibration-dampening platform that lets you place your portable player almost anywhere while isolating it from skip-inducing vibrations. Platform dimensions: 5½"W x 2"H x 5½"W.

Item #142PDS1 **YOUR LOW PRICE: \$24**



autoVAULT

What do you do with your pull-out radio, once you've pulled it out? Carrying it with you or stowing it in the trunk isn't always practical. The autoVAULT storage system combines glovebox convenience with strongbox security. Constructed of tough 12 gauge steel, the autoVAULT is the perfect place to safely store a removable radio, or your wallet, watch, or jewelry when you're parked for a short time to shop or play sports. The snug-fitting door uses a heavy-duty cam lock, while a foam-rubber inside liner cushions your valuables. Separate mounting plate included. Dimensions 9¼"W x 3½"H x 9¼"D. Warranty: 2 years.

Item #025VAULT **YOUR LOW PRICE: \$49**

Whistler Air Command 250

24-hour air—anytime, anywhere. That's the freedom you'll enjoy with the Air Command 250 portable air pump. It plugs conveniently into your car's cigarette lighter to provide a quick and easy fill-up. Features:

- 250 PSI for maximum pressure
- pressure select with auto shut off (designed to prevent over-inflation)
- powered auto-deflate for quick deflation and compact storage of inflatables
- high visibility flashlight for safe operation in emergency situations
- removable flashlight for better visibility in dark or remote areas
- easy-to-read air gauge on 3 ft. hose
- 3 year warranty.

Item #229AC250 **YOUR LOW PRICE: \$49**



Carry Bag for removable receivers

The convenient, stylish way to carry your pull-out receiver with you when you'd rather not lock it in your trunk.

Item #227CSC1 **YOUR PRICE \$19**



Lasso-Lock / C-Block

About every 12 seconds a car stereo is stolen in the United States. Thieves spot stereos through car windows, smash the glass, and remove the units, often severely damaging the dashboard. The effective-yet-inexpensive Lasso-Lock is a car stereo thief's nightmare. Once the cassette insert is locked in place it cannot be forcefully removed without destroying the cassette player. And with the PVC-coated braided steel cable wrapped around the steering column, your stereo is handcuffed to your car. The C-Block is the cassette lock portion only, without the cable. Adjustable design fits most in-dash units. (These locks will not fit GM Delco stereos, Mercedes front-load models, or any stereo with a bottom-hinged cassette door.)

Lasso-Lock (pictured)

Item #215LL101 **YOUR PRICE: \$29**

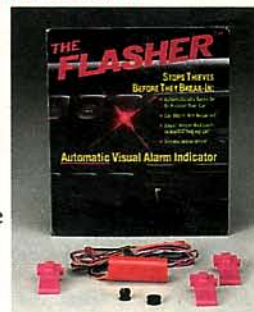
C-Block

Item #215CB102 **YOUR PRICE: \$19**

LED Alarm Indicator

Given the choice between a protected and an unprotected vehicle, a thief will normally choose the unprotected car. Increasingly, a flashing LED on the dash is used to signal the presence of an alarm system. Even if you can't afford a complete alarm, you can use this LED as a decoy. The instructions show you how to quickly connect the wiring (no soldering required), with suggestions on where to mount the LED. Its super-bright red light comes on whenever your car is turned off and is visible even in direct sunlight. If your alarm system doesn't have one, here's the way to add one easily and inexpensively.

Item #129FLASHER **YOUR PRICE: \$19**



How To Find The Right Antenna

There's only room on this page to list our most-requested antennas. We actually carry over a hundred different masts and antenna assemblies. The fastest, easiest way to find the right model for your vehicle is to call us. The complete list is in our database, so our Sales Advisors can help you quickly.

Motorized Antennas

Antenna World S-81

AM/FM fully automatic stainless steel 31" mast, 55" cable, 11½" under fender, self contained relay, ¾" or 1" mounting hole, 30° swivel head.
Item #097S81 \$49
Extension cable for rear mount Item #100AUKAB42 \$12



Hirschmann 5091 (Heavy Duty)

Fully automatic with detachable 56" cable, 5 section 39" chrome mast, 12½" under fender, ¾" or ¾" mounting hole, will accept mounting heads for sharply angled fenders.

Item #1005091 \$69
Black version Item #1005091SW \$74

Ext. cable for rear mount. Item #100AUKAB59 \$13
Semi-auto chrome version Item #1005061 \$59
Semi-auto black version Item #1005061SW \$64
Ext. cable for rear mt. Item #100AUKAB42 \$12



Hirschmann 6000EL Series (Deluxe)

Factory replacement for many European manufactured vehicles. Silent motor, 4 section 35" chrome plated stainless steel mast, 12½" under fender, ¾" mounting hole, 20° adjustable head, 2 year warranty.

Front Mount 51" cable version. Item #100EL4

List Price: \$262 \$169
Rear Mount 191" cable version Item #100EL14 List Price: \$316 \$174



Harada RZW20

AM/FM fully automatic w/remote motor. 31" extension, 48" cable, 13" under fender, ¾" mounting hole, 5 custom head kits inc., (3°, 8°, 15°, 23°, 30°)
Item #095RZW20 \$79
144" extension cable for rear mount Item #095MCR200 \$9



CB Antenna

Harada CF70

Magnetic mount CB antenna with spring, center loaded 28" mast, 114" cable.
Item #095CF70 \$15

Special Application Antennas

Fuba Beta D Signal Boosting Roof Mount Antenna

Electronic flexible rod antenna with impedance transformer/amplifier for optimum receiving performance. With 17½ ft. of feeder cable, it mounts in a variety of roof and fender locations.

¾" mounting hole, removable 16" mast with angled aerodynamic design. Great for Audi 5000 wagon, VW GTI, Porsche 928, and others.

Item #097BETAD List Price: \$80
YOUR LOW PRICE: \$59



SJ-4

Camaro/Firebird 1982-91 motorized antenna AM/FM fully automatic, 5-section 36" mast extension, 17" under fender, will also work on other GMC vehicles with double wall fenders.

Item #097SJ4 \$69

Black version Item #097SJ4FB \$74

Signal Boosting



FM Signal Boosters

Boost FM signals up to 15 dB for cleaner reception. Installation is easy: just plug the ASC-100 DX in between the antenna and the radio and connect one power lead. Includes on/off switch. Item #170ASC100X YOUR LOW PRICE: \$29

Hirschmann's European-designed booster is the first to improve both FM and AM reception. Amplifies FM signals up to 15 dB; AM 2 dB. Item #100HITAUTA YOUR LOW PRICE: \$19

AM/FM/CB Antennas

Converts standard AM/FM car antenna for use with CB on AM/FM radios.

Item #251ASCR133 \$29



Harada MTW2

AM/FM and CB fully automatic with remote motor (similar to RZW20). 42" extension, 59" cable, 14" under fender, ¾" mounting hole, 5 custom head kits included, (3°, 8°, 15°, 23°, 30°)
Item #095MTW2 \$99

173" extension cable with wire for rear mount. Item #095MCB40 \$12

Harada MT-1 / MT-2

AM/FM and CB semi-automatic with switch; 42" extension, 59" cable, 14" under fender, ¾" mounting hole, 5 custom head kits included (3°, 8°, 15°, 23°, 30°). Item #095MT1 \$79

Fully automatic version Item #095MT2 \$89
173" ext. cable for rear mount. #095MCB40 \$12



Harada OEM Replacements

AM/FM and CB, top-loaded 42" removable mast, 72" cable:

- Ford, rectangular base Item #095TL12F \$26
- Chrysler 75-80 Item #095TL13C \$26

- Chrysler 81-83 Item #095TL17C \$26
- Chrysler 84 & up Item #095TL18C \$26

- GM X, J & N body & Chrysler mini van Item #095TL19G \$26

- GM and Narrow fenders Item #095TL15 \$26
- Universal top mount with ball base Item #095TL11 \$26

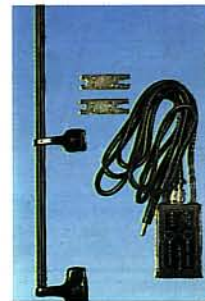


Harada TP10T

AM/FM and CB, Toyota and universal pillar mount, 57" three section chrome mast, 78" cable.

Item #095TP10T \$29

RVs, Suzuki Samurai, Subaru up to '79, Mazda GLC up to '80, and Datsun 200SX, F10, 310, 620, B210. 57" three-section mast, 78" cable. Item #095TP20T \$29



Hirschmann ON-2a Glass-Mount Cellular Antenna

The ON-2a features Hirschmann's patented "inside-out" design: the factory pre-tuned matching coupler mounts with an adhesive to the outside of the glass, requiring no hole. This permits low impedance (50 ohms) and maximum power transfer. Other performance features include an antenna housing made of non-metallic resin, a triple-plated stainless steel radiator (14¼"), a 14' dual-shield cable, and a low-loss TNC connector. No special tools required. Warranty: 1 yr.

Item #100ON2B List Price: \$59

YOUR LOW PRICE: \$39

For Motorola-manufactured models with mini UHF connector.

Item #100ON2BM YOUR LOW PRICE: \$39
Re-installation Kit Item #100927915 \$7



Extension Cables for AM/FM manual antennas
Item #095CR12 12" \$2 Item #095CR18 18" \$3
Item #095CR36 36" \$4 Item #095CR118 118" \$5

We carry over 75 different custom AM/FM manual antennas which covers the majority of vehicles. Our sales staff has all of the information for your vehicle and our antenna. We also carry universal type antennas if the factory type is not available.

The majority of automobile manufacturers use Motorola® type antenna connectors in their factory installed antenna/radio systems. There have been a few changes in the last couple of years however. On many of the GMC's the factory installed antenna has a miniature version of the motorola plug. Our sales staff has all of the correct information since there is not enough space to list every variation possible here.

Examples:

Audi/VW 1987-91.....100VWADAPT \$7
GMC 1989-91 (mini-plug).....095CRM7U \$7
Nissan 1985-91
(diversity antenna).....120AADP9 \$9

How To Find The Receiver and Speakers That Fit Best In Your Car

1. Find your car. Manufacturers are listed in alphabetical order. If you don't see your car, call us for installation information.

2. All of our receivers are sized by code [M, U, A, I, E, &E]. These four columns tell you which sizes fit your car, and how easy the installation will be. Based on your skill, choose any receiver whose size code is listed. Pay special attention to the receiver's installation depth: it must be less than the "Max. Depth" listed for your car. You may need some custom parts to install your stereo, or to give it a professional, finished appearance. Our kits are customized for your particular vehicle. **Note that you will need an installation kit unless otherwise specified.** Call us for the kit item number and price.

3. Crutchfield's "Easy-Fit" column (green) lets you choose a unit which will fit your car with a minimum of extra work. Check footnotes (refer to page 67) for important notes concerning your installation.

4. Our "Modify-Fit" column (pink) gives you the option of installing larger receivers. The receivers in this column may require that a certain part of your dashboard be filed slightly, or that some other modification be performed. The footnotes on page 67 will tell you exactly what needs to be done. If you have any additional questions, we will be glad to explain the needed modifications.

5. A check mark here means we have custom receiver or speaker plugs that can make your installation go faster and easier. An asterisk (*) or dagger (†) indicates the availability of a CD adapter for your factory radio. Call us for item numbers and prices.

6. To find which speaker sizes fit your car, use the location letter codes and the diagram at the bottom of the page. The "Easy-Fit" column (green) shows which sizes are direct factory replacements. Pay special attention to the footnote numbers (listed on page 67) for each size to determine what parts may be necessary. Footnotes 81-92 (if indicated for your car) denote Special Application speaker models that are direct factory replacements. You'll find our speakers listed by size on pages 30-38. Please note that a "P" denotes a plate type speaker.

7. The "Easy-Plus" column (yellow) shows additional speaker sizes and locations that require re-drilling or minor trimming. Be sure to check the footnote table on page 67.

8. The "Modify-Fit" column (pink) lists speaker sizes and locations which can be used only after significant cutting (including possible metal cutting) to enlarge existing openings or to create completely new openings. Please call us for full details.

Model and Year (If your car is not listed, please call)	Recommended Receiver Sizes Easy-Fit	Max. Dep. Inches	Recommended Receiver Sizes Modify-Fit	Max. Dep. Inches	Wiring Harness Rcvr Spkr	Speaker Location Codes with Sizes (see next page)		
						Easy Fit	Easy-Plus	Modify-Fit
Acura								
Integra 90-92	E M U A ⁷	7 1/4			✓	C 5 1/4 ^{7,8,57} E 6x9 ^{7,8,21,2} F 6 1/2 ^{7,8,3}		C 6 1/2 ^{7,36,57}
Integra Hatchback 86-89	E M U A	6 1/4			✓ ⁸⁹	C 5 7/8 ⁵⁷ F 6 1/2 ⁷	C 6 1/2 ^{7,10,57}	
Legend 86-90	E M U A	6 1/2			✓ ⁸⁹	C 5 7/8 ⁶⁵ E 8 ^{7,21}	C 6 1/2 ^{7,10,65}	
AMC (also see Eagle, Jeep, Renault)								
Alliance Sedan 82-83	M ⁵	6 1/2	U ²² A ²³	6 1/2	✓	C 5 1/4 ⁶⁵ E 5 1/4	A 438,65	C 6 1/2 ^{44,47,65} E 6 1/2 ⁴⁷
Alliance Sedan 84-87	M U A	6 1/2			✓	C 5 1/4 ⁶⁵ E 5 1/4	A 438,65	C 6 1/2 ^{47,65} E 6 1/2 ⁴⁷
Audi								

Installation Kits Custom Kits That Fit

For years Crutchfield has offered the widest selection of custom installation kits and accessories, to make the finished job look professional. Now we're going even further by becoming involved in the actual design and engineering of kits, harnesses, and adaptors. While most retailers are still stocking a handful of "universal fit" kits, we offer 447 in-dash kits and 66 speaker kits, and we're designing more all the time as new car models become available.

Our kits typically consist of a faceplate to match your car's dashboard, a mounting plate for the receiver, plus special hardware. This way, you're sure to get just what you need to do the job quickly and easily. For a growing number of kits and accessories we are the only source!

Note that your application will require an installation kit unless there is a footnote in the chart indicating that the kit is optional or not needed.

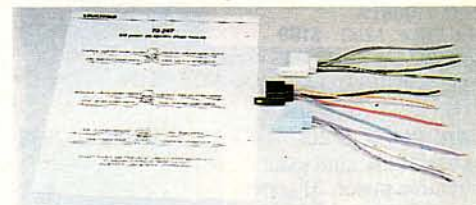
When you purchase a car receiver from Crutchfield, just ask your Sales Advisor for the item number and price of the installation kit.



Three of the 447 installation kits Crutchfield carries, so that you can do the job right.

Wiring Harnesses

We also stock 68 separate time-saving wiring harnesses, which include detailed instructions and diagrams we prepare individually for each model. For most cars, the installation can be greatly simplified by plugging into your car's existing wiring system for power, ground, and speaker connections. Just connect your new receiver to our custom wiring harness and plug it in to your car's harness. We also stock adaptors for most cars that let you connect your car's factory speaker plugs to your new speakers. Our custom harnesses and adaptors let you hook up your new car stereo without cutting any of your car's wires.



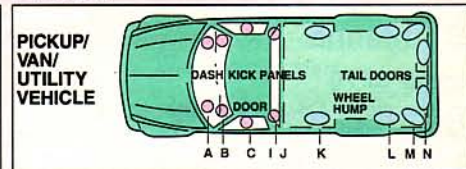
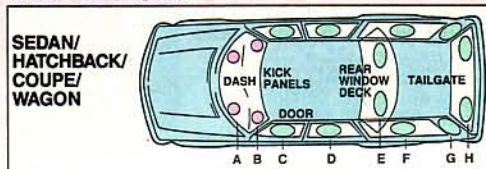
Here is an example of the kind of wiring harness and instructions we can provide for most cars. It makes the job easier.

Speaker Location Codes

- A Front dash
- B Front kick panels
- C Front door panels
- D Rear door or rear seat side panels
- E Rear deck (below rear window)
- F For hatchbacks, on shock towers or side panels; for station wagons, on or behind rear wheel wells
- G For hatchbacks, on rear quarter panel; for station wagons, on rear pillar
- H Tailgate

- I Upper rear pillars (extended cab)
- J Behind seat, in cab corners or lower side wall
- K Mid-rear side panels

- L Far-rear side panels
- M Rear pillar post (vans, utility vehicles)
- N Tail doors



Installation Guide

Car Stereo

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Model and Year (If your car is not listed, please call)	Recommended Receiver Sizes	Max. Dep.	Recommended Receiver Sizes	Max. Dep.	Wiring Harness	Speaker Location Codes with Sizes (see next page)		
	Easy-Fit	Inches	Modify-Fit	Inches	Rcvr Spkr	Easy Fit	Easy-Plus	Modify-Fit
Acura								
Integra 90-92	[E M U A] ⁷	7 1/4			✓ *	C 5 1/4 ^{7,8,57} E 6x9 ^{7,8,21,2} F 6 1/2 ^{7,8,3}		C 6 1/2 ^{7,36,57}
Integra Hatchback 86-89	E M U A	6 3/4			✓ 89-	C 5 ^{7,8,57} F 6 1/2 ⁷	C 6 1/2 ^{7,10,57}	
Legend 86-90	E M U A	6 1/2			✓ 89-	C 5 ^{7,8,65} E 8 ^{7,21}	C 6 1/2 ^{7,10,65}	
AMC (also see Eagle, Jeep, Renault)								
Alliance Sedan 82-83	M ⁵	6 1/2	U22 A ²³	6 1/2	✓	C 5 1/4 ⁶⁵ E 5 1/4	A 4 ^{38,65}	C 6 1/2 ^{44,47,65} E 6 1/2 ⁴⁷
Alliance Sedan 84-87	M U A	6 1/2			✓	C 5 1/4 ⁶⁵ E 5 1/4	A 4 ^{38,65}	C 6 1/2 ^{47,65} E 6 1/2 ⁴⁷
Audi								
100/200 89-91	E ¹ M U A	7 1/4			✓	A 5 ⁶⁵ C 5 ^{7,57}	E 6 1/2 ^{2,7,38}	
100 Sedan 76-77	E M U A	6	[E ²⁷ M U A] ²⁸					C 6 1/2 ^{47,66} P ^{47,66} E 5 1/4 ^{47,57}
4000 80-87	E ¹ M U A	6	[E ²⁷ M U A] ²⁸	6 3/4	✓		E 5 ^{38,65}	A 3 1/2 ^{49,56} C [5 1/4 P] ^{43,47,61} E [6x9 P] ^{19,47}
5000 Sedan 78-83	E ¹ M U A	7			✓	A 3 1/2 ⁵⁶	E 4 ³⁸	C [6 1/2 P] ^{41,43,47,78} E 6x9 ⁴⁷ P ⁴⁷
5000 Sedan 84-86	E ¹ M U A	7 1/2			✓	A ^{84,7,15} E ^{86,7}	E 6 1/2 ^{7,38}	E 6x9 ⁴⁷
5000 87-88	E ¹ M U A	7 1/4			✓	A ^{84,7,15,65} C 5 ^{7,21,57}	E 6 1/2 ^{7,38}	
80/90 Quattro/Sedan 88-91	E ¹ M U A	7			✓	A ^{84,56} E 6 1/2	C 5 1/4 ^{37,41,57}	
GT Coupe/Coupe 81-87	E ¹ M U A	6			✓		E 5 ^{38,63}	A 3 1/2 ^{49,63} C [5 1/4 P] ^{43,47,60} E [6x9 P] ^{19,47,63}
BMW								
318i Coupe 84-85	E ¹ M U A	8				B 5 1/4 ^{7,65} E 5 1/4 ^{7,65}	E 6 1/2 ^{37,38}	C 5 1/4 ^{41,43,47,57} E 6x9 ⁴⁷
318i, 318is 90-91	E ¹ M U A	6 3/4			✓	B 5 1/4 ^{7,65} E 5 1/4 ^{7,65}		C 5 1/4 ^{41,47,57}
320i Coupe with A/C 77-83	E ¹ M U A	6 3/4				B ^{7,65,83} E ^{83,59}	E P ^{38,59}	
325 84-91	E ¹ M U A	6 3/4			✓	B 5 1/4 ^{7,65} E 5 1/4 ^{7,65} D 5 1/4 ^{7,62,4}		C 5 1/4 ^{41,47,57}
535i/530/528/524td Sedan 85-86	E ¹ M U A	5 1/2	[E ²⁷ M U A] ²⁸	6 3/4	✓	B ^{83,7,57} E ⁸³	E P ³⁸	E 6x9 ⁴⁷
528e/535 Sedan 87-88	E ¹ M U A	6 3/4			✓ *	B 4 ^{7,8,59} E 5 1/4 ^{7,55}	E P ^{38,55}	C 6 1/2 ^{47,56} P ^{47,56} E 6x9 ⁴⁷
525i/535 Sedan 89-91	E ¹ M U A	6 1/2			✓ *	B 5 1/4 ^{7,59} E 5 1/4 ^{7,8,55}		
600 Series Coupe 77-86	E ¹ M U A	6 3/4			✓	B ^{83,7,57} E ^{83,51}		
635csi Coupe 87-89	E ¹ M U A	6 3/4			✓ *	B 4 ^{7,8,55} E 5 1/4 ^{7,71}	B 4x6 ^{7,10,55} E P ^{38,71}	
733i/735 Sedan 78-87	E ¹ M U A	6 3/4	[E ²⁷ M U A] ²⁸	7	✓	B ^{83,7,61} E 4x6 ⁶⁰	E P ^{38,60}	C 5 1/4 ^{41,43,47,61} E 6 1/2 ^{47,60}
735/750il 88-91	E ¹ M U A	6 1/2			✓ *	B 5 1/4 ⁶¹		E 5 ^{7,8,35}
Buick								
Century 78-81	U A	9			✓	A 3 1/2 ^{7,15,45} E 6x9 ^{6,20,21}	E 4x10 ^{2,6,20}	C 5 ^{44,47,62,15}
Century 82-86	[E M U A] ^{7,8}	6 1/2			✓	A 4x6 ^{7,15} E ² 6x9 ^{6,20}		D ² 6 1/2 ^{15,47,73}
Century 87-91	[E M U A] ^{7,8}	6 1/2			✓	A 4x6 ^{7,15} E ² 6x9 ^{6,20}		
LeSabre FWD 87-91	[E M U A] ⁷	6 1/2			✓	C 6 1/2 ⁵⁸ E 6x9 ¹⁵		
Electra FWD 87-90	[E M U A] ⁷	6 1/2			✓	C 6 1/2 ⁵⁸ E 6x9 ¹⁵		
Estate Wagon/LeSabre RWD 84-90	[E M U A] ⁷	11			✓	A 4x6 ^{7,57} E 6x9 ^{6,20,2}		C 5 1/4 ^{47,57} P ^{47,57}
Park Avenue Sedan 84-90	[E M U A] ⁷	6 1/2			✓	E 6x9 ^{6,20}	C 6 1/2 ^{7,38,58}	
Reatta Coupe 89-90	not recommended					C 5 ^{7,8,57} D 5 ^{7,8,61}		
Reatta Coupe 91	[E M U A] ⁷	6 1/2			✓	C 5 ^{7,8,57} D 5 ^{7,8,61}		
Regal 78-83	[U A] ⁹	9			✓	A 3 1/2 ^{7,15} E ² 4x10 ^{6,20}		C 5 ^{44,47,65,15}
Regal Coupe 84-87	[E M U A] ⁷	8 1/2			✓	A 3 1/2 ⁷ E 4x10 ⁶	E 6x9 ¹³	D 6 1/2 ^{47,63} P ^{47,63}
Regal Coupe 88-90	[E M U A] ⁷	6 3/4			✓	A 4 ^{7,57} E 6x9 ^{6,20,73}	E P ^{37,73}	C 6 1/2 ^{47,61} P ^{47,61}
Riviera Coupe 79-83	[M U A] ³	9			✓	C 4x6 ^{7,59} D 4x10 ⁷		E 4x10 ^{7,15,49,69}
Riviera Coupe 84-85	[E M U A] ⁷	7 3/4			✓	C 4x6 ⁷ D 4x10 ^{7,15}		E 4x10 ^{7,15,49,69}
Riviera Coupe 86-89	not recommended					E 6x9 ^{7,20}	C 6 1/2 ^{7,37,50}	
Skyhawk 82-89	[E M U A] ⁷	6 1/2			✓	A 3 1/2 ⁷ E 6x9 ^{6,20,2}	L ³ 6x9 ³⁷ P ^{12,37}	C [5 1/4 P] ^{47,53} D 5 1/4 ^{47,53}
Skylark Sedan 83-85	[M U A] ⁸	6 1/2	E ²³	5 1/2	✓	A 4x6 ⁷ E 4x10 ⁶	E 6x9 ¹³	C 5 1/4 ^{44,47,55} P ^{44,47,55} E P ^{15,47}
Skylark 90-91/Somerset 85-86	[E M U A] ⁷	6 3/4			✓	A 4 ^{7,57} E 6x9 ⁶		C 6 1/2 ^{44,47,57} P ^{44,47,57}
Somerset Coupe 87	[E M U A] ⁷	6 1/2			✓	A 4 ^{7,57} E 6x9 ⁶		C 6 1/2 ^{44,47,57} P ^{44,47,57}
Cadillac								
Allante 87-91	not recommended							C 6 1/2 ^{37,40,73,15,49} D 6 1/2 ^{49,37}
Brougham Coupe 85-89	[E M U A] ⁷	7 3/4			✓	A 4x6 ⁷ E 6x9 ⁶		C 6 1/2 ⁴⁷
Cimarron Sedan 82-88	[E M U A] ⁷	6 3/4			✓	A 3 1/2 ^{7,55} E 6x9 ^{6,20}	E P ^{15,37}	C 5 ^{41,44,47,54}
Deville/Fleetwood 78-85 RWD	M U A	7 3/4			✓	A 4x6 ^{7,71} E 6x9 ⁶		C 6 1/2 ^{47,60}
Deville 90-91	[E M U A] ^{7,8}	6 3/4			✓	A 4x6 ^{7,15,55} E 6x9 ^{9,15}		C 6 1/2 ^{47,15,57}
Deville/Fleetwood Sdn FWD 85-89	[E M U A] ⁷	6	[E M U A] ²⁸	6 3/4	✓	A 4x6 ^{7,55} E 6x9 ^{7,8,15}		C [6 1/2 P] ^{43,47,57} D [6 1/2 P] ^{43,47}
Eldorado Coupe 78-83	U A	8 3/4			✓	A 4x6 ^{7,57} E 4x10 ^{20,57}		C [6 1/2 P] ^{47,53} D 6 1/2 ⁴⁷
Eldorado Coupe 84-85	[E M U A] ⁷	9			✓	A 4x6 ^{7,57} E 4x10 ^{20,57}		C 5 1/4 ^{7,36,65}
Eldorado/Seville 86-91	[E M U A] ^{7,8,2}	6 3/4			✓	E 6x9 ^{7,20}		C 6 1/2 ^{7,35,51}
Seville Sedan 84-85	[E M U A] ⁷	9			✓	A 4x6 ^{7,57} E 6x9 ^{6,20}		C 5 1/4 ^{7,36,65}
Chevrolet (including GMC)								
Astro/Safari Van 85-89	[E M U A] ⁷	6	[E M U A] ^{28,29}	6 3/4	✓	A 6x9 ^{7,66} M 3 1/2 ^{7,21}		H 6x9 ⁴⁷ P ^{12,47}
Astro/Safari Van 90-91	[E M U A] ^{7,8}	6 1/2			✓	A ^{90,67} G 4 ^{7,63} N ^{90,21,65}	N 6 1/2 ^{7,38,65}	
Beretta Coupe 87-90	[E M U A] ^{7,8}	6 3/4			✓	A ^{81,65} E 6x9 ^{7,20}		C 6 1/2 ^{43,47,61}
Beretta 91	[E M U A] ^{7,8}	6			✓	B 4x6 ^{20,65} E 6x9 ^{20,7}		
Blazer Full Size Utility 78-88	U A	12	E ²⁵	12	✓	A 3 1/2 ⁷ L 4x10 ^{21,73}	B 6 1/2 ^{37,57}	C 6x9 ^{47,73} P ^{47,73} L [6x9 P] ^{37,40,73}
Blazer Full Size Utility 89-91	[E M U A] ⁷	7			✓	A 3 1/2 ^{7,11} L 4x10 ^{21,73}		C [6x9 P] ^{44,47,7} L 6x9 ^{37,40,73} L P ^{40,73}
Pickup 78-87	U A	12	E ²⁵	12	✓	A 3 1/2 ⁵⁹ J 4x10 ¹¹	B 6 1/2 ^{37,57}	C 6x9 ^{47,73} P ^{47,73}
Pickup 88-91	E M U A	6 1/2			✓ *	A 4x6 ^{7,59} J 4x6 ^{7,55}		C 6x9 ^{47,61} P ^{47,61}

FWD - Front Wheel Drive; RWD - Rear Wheel Drive; * - Adding a CD Changer directly to the factory radio is possible. Call Sales Advisor for details.

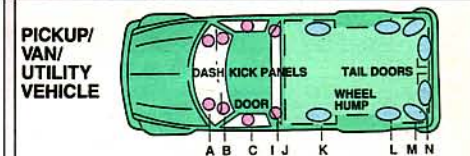
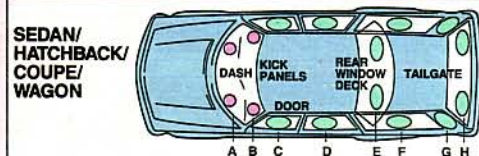
Model and Year (If your car is not listed, please call)	Recommended Receiver Sizes	Max. Dep. inches	Recommended Receiver Sizes	Max. Dep. inches	Wiring Harness	Speaker Location Codes with Sizes (see below)		
						Easy-Fit	Easy-Plus	Modify-Fit
Pickup/Crew Cab Pickup 89-91	[E M U A] ⁷	7			✓	A 3 1/2 ^{7,11}		C 6x9 ^{44,47,77} P ^{44,47,77}
Camaro 73-77	[M U A] ¹	10			✓	E 6x9 ^{20,73}	A 3 1/2 ^{5,20}	C 6 1/2 ^{15,43,47}
Camaro Coupe 78-81	[M U A] ¹	10			✓	E 6x9 ^{20,73}	E P ³⁷	C 6 1/2 ^{43,47} P ^{43,47}
Camaro Berletta 83-86	not recommended				✓	A 4x6 ^{7,55} D 6x9 ^{11,21}	C 5 1/4 ^{P37,43,61}	C 6 1/2 ^{47,43,61} D 6x9 ^{7,11}
Camaro Coupe 82-91	[E M U A] ⁷	6			✓	A 4x6 ^{7,55} D 6x9 ^{11,21}	C 5 1/4 ^{P37,43,61}	C 6 1/2 ^{43,47,61}
Caprice/Impala 81-84	[M U A] ³	7 3/4			✓	A 4x6 ¹¹ E 6x9 ^{6,2}	E P ^{15,37,2}	C 6 1/2 ^{47,65} P ^{47,65}
Caprice/Impala 85-90	E M U A	9			✓	A 4x6 ¹¹ E 6x9 ^{6,2}	E P ^{15,37,2}	C 6 1/2 ^{47,65} P ^{47,65}
Caprice 91	[E M U A] ⁷	5 1/4			✓	C 4x6 ^{7,8,57} E 6x9 ⁷		
Cavalier 82-84	[E M U A] ^{7,8}	6 1/4			✓	A 3 1/2 ^{7,55} E 6x9 ^{6,20,2} G 4x10 ^{9,63,3}	E P ^{37,2}	C 5 1/4 ^{44,47,54}
Cavalier 85-90	[E M U A] ^{7,8}	6 3/4	[E M U A] ^{21,29}	7 1/4	✓	A 3 1/2 ^{7,55} E 6x9 ^{6,20} D 6x9 ^{7,15,4}	A 4x6 ^{7,37,38,55}	C 5 1/4 ^{47,54}
Cavalier 91	[E M U A] ^{7,8}	7			✓	A 3 1/2 ^{7,55} E 6x9 ^{6,20} H 4x10 ^{7,15,63}		
Cavalier Wagon 82-88	[E M U A] ^{7,8}	6 3/4	[E M U A] ^{21,29}	7 1/4	✓	A 3 1/2 ^{7,55,21} 4x6 ^{21,7} H 4x10 ^{7,61}		A 4x6 ^{7,37,38,55} C 5 1/4 ^{43,47,54}
Celebrity 82-91	[E M U A] ^{7,8}	6 3/4	[E M U A] ^{28,29}	6 3/4	✓	A 4x6 ⁷ E 6x9 ^{6,20,2} H 6x9 ^{7,15,61,1}		C 6 1/2 ^{P^{47,59}} D 6 1/2 ^{P^{47,65}} E P ^{15,47,2}
Chevelle 73-77	[M U A] ¹	12			✓	E 6x9 ²⁰	A 3 1/2 ^{5,20}	C 4 1/2 ^{47,73}
Chevette Hatchback 76-87	M	6 1/4	[U A] ²³	6 1/4	✓	G 4x6 ^{7,69}		G 5 1/2 ^{36,69}
Citation 80-85	[E M U A] ^{1,1985}	6 1/2	[E M U A] ^{14,1980-84}	8	✓	A 4x6 ^{7,15,62} F ³ 4x10 ²⁰	E ² 6x9 ^{13,20}	C 6 1/2 ^{15,47,56}
Corsica 87-90	[E M U A] ^{7,8}	6 3/4			✓	A ^{81,7,65} F 5 1/4 ^{3,7,69} E 6x9 ^{20,2}		C 6 1/2 ^{43,47,65} D 6 1/2 ^{47,61} F 6 1/2 ^{3,69}
Corsica 91	[E M U A] ^{7,8}	6			✓	B 4x6 ^{20,65} E 6x9 ^{20,7}		
Corvette 78-82	[U A] ¹	7 3/4			✓	A 4x6 ^{7,65} G 6x9 ^{7,8,2}	C P ^{38,4}	C 6 1/2 ^{7,35,71} P ^{35,71}
Corvette Coupe 84-89	[E M U A] ⁷	5 1/2	[E M U A] ^{28,29}	10	✓	A 4x6 ^{7,65} G 6x9 ^{7,8}		C 6 1/2 ^{7,35,71} P ^{7,35,71}
Corvette Coupe 90-91	[E M U A] ⁷	6	[E M U A] ^{28,29}	7	✓		G 6 1/2 ^{7,8,38,69}	B 6 1/2 ^{39,69} G 6x9 ^{7,39,69}
El Camino Utility 78-85	[M U A] ³	9			✓	A 3 1/2 ^{7,21} J 4x6 ⁷		C 5 1/4 ^{47,61}
El Camino Utility 86-88	[E M U A] ^{7,8}	6	[E M U A] ^{28,29}	9	✓	A 3 1/2 ^{7,21} J 4x6 ⁷		C 5 1/4 ^{47,61}
Lumina APV Van 90-91	[E M U A] ⁷	7			✓	A 4x6 ^{7,62} K 5 1/4		
Lumina Sedan/Coupe 90-91	[E M U A] ⁷	6			✓	A 4x6 ^{7,8} E 6x9 ^{7,20}		
Monte Carlo Coupe 78-85	[M U A] ³	9			✓	A 3 1/2 ^{7,21} E 4x10 ⁶	E 6x9 ¹³	C 5 1/4 ^{47,61}
Monte Carlo Coupe 86-88	[E M U A] ^{7,8}	6	[E M U A] ^{28,29}	9	✓	A 3 1/2 ^{7,21} E 4x10 ⁶	E 6x9 ¹³	C 5 1/4 ^{47,61}
Monza 75-80	[M U A] ¹	8 1/2			✓	E 4x10 ^{6,7,20}	C 6 1/2 ^{15,37,44,65}	E 6x9 ^{7,13,20}
Nova 85-88	[E M U A] ⁷	6			✓	A ^{81,57} E 4 7/8 ⁵⁵ F ^{88,77,3}	E P ^{15,37,55,2}	E 6x9 ^{47,2,55}
LUV Pickup 81-82	M	5 1/4			✓	B 4 1/2 ⁵²	B 5 1/4 ^{15,37,52}	C 6 1/2 ^{15,47,57}
S10/S15 Blazer 82-91	[E M U A] ^{7,8}	6 1/4			✓	A 4x6 ^{7,81} D ^{90,7} 4-door only	K 6x9 ^{5,8,69}	
S10/S15 Pickup 82-91	[E M U A] ^{7,8}	6 1/4			✓	A 4x6 ^{7,61} J 4x10 ¹¹		
Spectrum 85-88	[E M U A] ⁷	7			✓	A 4 5/8 ^{F 4 21,61,3} E 5 7/20 ²¹		C 6 1/2 ^{45,47,58} E 5 3/6 ^{12,7}
Sprint 85-88	E M U A	8			✓	C 5 7/57 ^{G 5 65,63} H 5 1/4 ^{57,2}	G 6 1/2 ^{8,65,3}	C 6 1/2 ^{42,47,57} H 6 1/2 ^{36,57,2}
Suburban Utility 78-88	U A	12			✓	A 3 1/2 ^{7,11,21} K 4x10 ⁷³	B 6 1/2 ^{37,57}	C 6x9 ^{47,73} P ^{47,73} K 6x9 ^{P37,40,73}
Suburban Utility 89-91	[E M U A] ⁷	7			✓	A 3 1/2 ^{7,11,21} K 4x10 ⁷³		C 6x9 ^{P^{44,47,77}} K 6x9 ^{P^{40,73,37}}
Van 78-87	U A	10			✓	A 4x6 ^{7,57}		C 6x9 ^{15,36} P ^{15,36}
Van 88-91	[E M U A] ⁷	8			✓	A 4x6 ^{7,57}		C 6x9 ^{44,47} P ⁴⁷
Chrysler								
Conquest Coupe 87-89	M U A	7			✓	A 4 7/57 ^{F 5 1/4⁶⁵}		C 5 1/4 ^{47,57}
Cordoba/Imperial 79-83	[E M U A] ⁷	7 1/4			✓	A 3 1/2 ⁴⁸ E 6x9	E P ³⁷	C 6 1/2 ^{47,65} P ^{47,65}
Fifth Avenue Sedan 79-87	[E M U A] ⁷	7 1/4			✓	A 3 1/2 ⁴⁸ E ⁸⁸	E 6x9 ^{13,20}	C 5 1/4 ^{47,61}
Fifth Avenue Sedan 88-91	[E M U A] ⁷	7 1/4			✓	A 3 1/2 ⁵³ C 5 1/4 ⁶¹ E ^{88,65}	E 6x9 ^{13,65} P ³⁷	C 6 1/2 ^{7,36,61}
Imperial Sedan 90-91	[E M U A] ⁷	6			✓	A 3 1/2 ⁵³ C 5 1/4 ⁶¹ E 6x9 ^{15,65}		
Laser Coupe 84-88	[E M U A] ⁷	5 3/4			✓	A 3 1/2 ⁶⁵ C 5 1/4 ^{7,67} D ⁸⁸		
Lebaron Coupe 87-89	[E M U A] ⁷	6 1/2			✓	A 3 1/2 ⁶³ C 5 1/4 ⁵⁸ E 6x9	E P ³⁷	
Lebaron Coupe 90-91	[E M U A] ⁷	5 3/4			✓	A 3 1/2 ^{15,63} C 5 1/4 ^{15,58} E 6x9 ²⁰		
Lebaron Hatchback 85-89	[E M U A] ⁷	7			✓	A 3 1/2 ⁵⁷ C 5 1/4 ^{7,57} F 6x9		C 6 1/2 ^{36,57}
Lebaron/E Class 82-88	[E M U A] ⁷	5 3/4			✓	A 3 1/2 ⁴⁸ E ⁸⁸	E 6x9 ^{13,20}	C 6 1/2 ^{43,47,62}
Lebaron/New Yorker 77-87 RWD	[E M U A] ⁷	7 1/4			✓	A 3 1/2 ⁴⁸ E ⁸⁸	E 6x9 ^{13,20}	C 5 1/4 ^{47,61}
New Yorker Sedan 88-91	[E M U A] ⁷	7 1/4			✓	A 3 1/2 ⁵³ C 5 1/4 ⁶¹ E ^{88,65}	E 6x9 ^{13,65} P ³⁷	C 6 1/2 ^{7,36,61}
Town & Country Wagon 82-88	[E M U A] ⁷	6 9/16			✓	A 3 1/2 ⁴⁸ F ⁸⁸	F 6x9 ^{21,37}	C 6 1/2 ^{43,47,62}
Town & Country Van 90	[E M U A] ⁷	7 3/4			✓	A 5 1/4 ^{7,15,59} H 6x9 ^{21,7,15,66}	A 5 7/58	C 5 1/4 ⁴⁷
Town & Country Van 91	[E M U A] ⁷	6 1/4			✓	H 6x9 ^{73,15}	A 5 7/58,5	
Daihatsu								
Charade 88-91	E M U A	6 3/4			✓	A 4 7/57 ^{F 5 3/21,62}		C 6 1/2 ^{42,47,61} P ^{42,47,61} E 5 1/2 ⁴⁷
Rocky Utility 90-91			[E M U A] ²⁴	8		A 4 7/8 ⁶⁹	C 6 1/2 ^{14,61}	K 6x9 ^{37,40,71} P ^{37,40,71}

Speaker Location Codes

- A Front dash
- B Front kick panels
- C Front door panels
- D Rear door or rear seat side panels
- E Rear deck (below rear window)
- F For hatchbacks, on shock towers or side panels; for station wagons, on or behind rear wheel wells
- G For hatchbacks, on rear quarter panel; for station wagons, on rear pillar
- H Tailgate

- I Upper rear pillars (extended cab)
- J Behind seat, in cab corners or lower side wall
- K Mid-rear side panels

- L Far-rear side panels
- M Rear pillar post (vans, utility vehicles)
- N Tail doors



Installation Guide

Car Stereo

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Model and Year (If your car is not listed, please call)	Recommended Receiver Sizes	Max. Dep. Inches	Recommended Receiver Sizes	Max. Dep. Inches	Wiring Harness		Speaker Location Codes with Sizes (see next page)			
							Easy-Fit	Easy-Plus	Modify-Fit	
Dodge										
400/600/Aries 82-84	[E M U A]7	5%			✓	84	A 3 1/2 ⁴⁸ E ^{88,2} D 5 1/4 ^{7,4}	E 6x9 ^{6,2}	C 6 1/2 ^{43,47,62}	
600/ES 85-88	[E M U A]7	6 ⁹ / ₁₆			✓	*	A 3 1/2 ^{15,98} E ^{88,20}	E 6x9 ^{13,20}	C 6 1/2 ^{15,43,47,62}	
Aries 85-89	[E M U A]7	6 ⁹ / ₁₆			✓		A 3 1/2 ^{15,48,21} E ^{88,20}		C 6 1/2 ^{15,43,47,62}	
Caravan 84-90	[E M U A]7	7 3/4			✓	†	A 5 1/4 ^{7,15,59} H 6x9 ^{21,7,15,66}		C 5 ^{45,47}	
Caravan 91	[E M U A]7	6 3/4			✓	†	H 6x9 ^{73,15}	A 5 ^{7,58,5}		
Challenger 81-83	M ¹	8 1/2	[U A] ²³ E ²⁴	8 1/2	✓	✓	C 5 ^{15,67} E 5 ¹⁵		C 6 1/2 ^{15,47,67} E 6x9 ^{15,47}	
Charger/024/Omni 82-87	[E M U A]7	5 ⁹ / ₁₆	[E M U A] ^{23,28,29}	7 3/4	✓	✓		C 5 1/4 ^{7,38,73}	D [6x9 P] ³⁷ E [6x9 P] ^{18,37,40}	
Colt Wagon 88-90	E ¹ M U A	8 1/2			✓	✓			A ^{81,49,53} C 6 1/2 ^{47,58} E 6x9 ^{2,47}	
Colt 85-86	M U A	8 1/2	[23,27]	8 1/2	✓	✓	D 6x9 ^{3,21} E 5 1/4 ²		A ^{81,49,53} C 6 1/2 ^{47,58} E 6x9 ^{2,47}	
Colt 87-88	M	8			✓	✓	E 5 1/4 ² D 5 1/4 ²¹		A ^{88,49,53} C 6 1/2 ^{47,58} E 6x9 ^{47,2}	
Colt W[2] 1-din open. 89-91	E ⁶ M U A	6 1/2			✓	✓	A ⁸¹ C 5 1/4 ^{7,8,55} E ^{86,2} F ^{3,86}		C 6 1/2 ^{7,38,55}	
Colt Vista Wagon 84-91	I M U A	6 3/4			✓	✓		D 5 1/4 ^{7,21,38,58}	C 5 1/4 ^{41,47,58}	
Conquest Coupe 84-86	M U A	7			✓	✓	C 4 ^{7,57} F 5 1/4 ⁶⁵		C 5 1/4 ^{7,47,57}	
D50/Ram 50 Pickup 81-86	M	7 1/2	[U A] ²⁶	7 1/2	✓	✓	C 5 ⁵⁹		C 6 1/2 ^{47,59} J 5 ³⁶	
D50 Pickup 87-91	E M U A	7 3/4			✓	✓	A ^{81,57}	J ^{38,78,86}	C 6 1/2 ^{47,59} J 6x9 ^{47,78} P ^{35,78}	
Dakota Pickup 87-91	[E M U A]7	6 1/4			✓	✓	C 5 1/4 ⁷⁰	C P ³⁸ J ^{88,11}	C 6 1/2 ^{7,38,70}	
Daytona Coupe 84-91	[E M U A]7	5 3/4			✓	†	A 3 1/2 ⁶⁵ C 5 1/4 ^{7,67} D ^{88,7}		D 5 1/4 ^{7,35}	
Diplomat Sedan 77-89	[E M U A]7	7 1/4			✓	84	A 3 1/2 ⁴⁸ E ⁸⁸	E 6x9 ¹³	C 5 1/4 ^{47,61}	
Dynasty Sedan 88-91	[E M U A]7	7 1/4			✓	†	A 3 1/2 ⁵³ C 5 1/4 ⁶¹ E ^{88,65}	E 6x9 ^{13,65} P ³⁷	C 6 1/2 ^{7,38,61}	
Lancer Hatchback 85-89	[E M U A]7	7			✓	✓	A 3 1/2 ⁵⁷ C 5 1/4 ^{7,57} F 6x9		C 6 1/2 ^{38,57}	
Mirada 80-83	[E M U A]7	7 1/4			✓	✓	A 3 1/2 ^{15,48} E 6x9 ²⁰		C 6 1/2 ^{15,47,65}	
Monaco Sedan 90-91	M U A	6 3/4			✓	✓	C 5 1/4 ^{7,57} E 6x9 ²⁰			
Full Size Pickup 74-91	[E M U A]7	7 3/4			✓	84			C 6x9 ⁴⁷ P ⁴⁷ J 6x9 ⁴⁷ P ⁴⁷	
Raider Utility 88-89	[E ⁶ M U A]7	6 1/2	[E ⁶ M U A] ^{25,29}	8	✓	✓	C5 ⁷² K ^(2 Dr.) L ^(4 Dr.) 90,7,8,21,75	A ^{3 1/2,7,28,38} P ^(2 Dr.)	C 6 1/2 ⁴⁷ 72 K 6x9 ^{47,2} Dr.]	
Ramcharger Utility 74-91	[E M U A]7	7 3/4			✓	84		K [6x9 P] ^{15,37}	C 6x9 ⁴⁷ P ⁴⁷	
Shadow/Spirit 87-91	[E M U A]7	6 3/4			✓	†	C 5 1/4 ⁷ F ^{88,3} D 5 1/4 ^{2,45,69,7}		C 6 1/2 ^{7,38,61} D 6 1/2 ^{47,78,2}	
Stealth 91-91	E M U A	7 1/2			✓	✓	C ^{86,7,8,15,45,58} D ^{89,15,65}			
Van With Factory Radio 78-91	[E M U A]7	9 1/2			✓	84		A 3 1/2 ⁵	C 6x9 ⁴⁷ P ⁴⁷ N 6x9 ⁴⁷ P ⁴⁷	
Van W/O Factory Radio 78-91			[E M U A] ²⁵	9 1/2	✓	✓		A 3 1/2 ⁵	C 6x9 ⁴⁷ P ⁴⁷ N 6x9 ⁴⁷ P ⁴⁷	
Eagle										
Medallion 88-89	M U A	6 3/4			✓	✓	C 5 1/4 ^{7,57,2} E 5 1/4 ^{67,2}		H 6x9 ^{10,38,61,1} E 6x9 ^{47,67,2}	
Premier Sedan 88-91	M U A	6 3/4			✓	✓	C 5 1/4 ^{7,57} E 6x9 ²⁰	C 6 1/2 ^{7,38,57}		
Summit Sedan 89-91	E ⁶ M U A	6 1/2			✓	✓	A ^{81,84} C 5 1/4 ⁶³ E ⁸⁶		C 6 1/2 ^{7,38,63}	
Talon Coupe 90-91	E ⁶ M U A	8 3/4			✓	✓	A ^{81,84,69} C 5 1/4 ^{7,61} D ^{86,67} [6x9 ^{21,67}	C P ^{38,61}	C 6 1/2 ^{7,38,61}	
Ford										
Aerostar Van 86-91	E ⁶ M U A	11	E ²²	10	✓	88	N 3 1/2 ^{7,15} K 6x9 ⁷	A 5 ^{5,15}	C 6x9 ⁴⁷ P ⁴⁷	
Bronco II Utility 83-84	[M U A] ³	9			✓	✓	K ^{89,7,21} 88,21	A 3 1/2 ^{5,7,21}		
Bronco II Utility 85-88	M U A	9	E ²²	9	✓	✓	K ^{89,7,21} 88,21	A 3 1/2 ^{5,7,21}	C 6x9 ^{42,47,73} P ^{42,47,73}	
Bronco II Utility 89-91	M U A	7 1/4	E ²²	7 1/4	✓	✓	C ^{89,7,21,59} C ^{92,7,21,59} K ^{88,21} 89,21	C 6 1/2 ^{38,7,59}		
Bronco 82-84	U A	8	E ²⁶	8	✓	✓	C ^{7,92,73}	K [6x9 P] ^{37,73}	C 6 1/2 ^{7,38,77}	
Bronco 85-86	E ⁶ M U A	8 1/4			✓	✓	C ^{89,21,73} C ^{92,73,21} L ^{89,21,73}	L [6x9 P] ^{37,73}		
Bronco 87-91	E ⁶ M U A	6 1/2			✓	88	C ^{92,7,77} K ^{89,7}	C 6 1/2 ^{7,38,77}		
Country Sq Wagon 90	E ¹ M U A	7			✓	✓	C ^{7,92,93} F 6x9 ^{15,66}	C [5 1/4 6 1/2]7,38,73		
Crown Victoria 86-89	E ⁶ M U A	10			✓	88	E 6x9 ^{20,2} C ^{92,7,73}	A 5 ¹⁵ C [5 1/4 6 1/2]7,38,73		
Econoline Van 75-84	[U A] ³	14			✓	✓	K ^{89,7,21}		C 6 1/2 ^{36,73} P ^{36,73}	
Econoline Van 85-91	E M U A	14			✓	88	K ^{89,7,21}		C 6 1/2 ^{36,73} P ^{36,73}	
Escort/EXP 81-83	[U A] ⁵	7 3/4	M ³⁰	7 3/4	✓	✓	A 3 1/2 ⁷ D ^{89,7,21,2,3} F ^{89,7,20,1}	D 6x9 ^{12,37,2,3}	C 6 1/2 ^{41,47,58}	
Escort 84	[M U A] ³	10			✓	✓	C ^{92,58} F ^{89,7,20}	C 6 1/2 ^{7,38,58,45}		
Escort/EXP 85-90	E ⁶ M U A	10			✓	88	C ^{92,58} F ^{89,7,21,1,3}	C [5 1/4 6 1/2]38,7,58		
Escort 91	E ¹ M U A	7			✓	✓	F ^{88,7,20,3} G ^{88,1,20}	C [5 1/4 6 1/2]38,7,61		
Explorer 91	M U A	8	E ²²		✓	✓	C ^{89,7,61} D ^{89,7,73}			
F-Series Pickup 82-84	U A	8 1/4	E ²⁶	8 1/4	✓	✓	C ^{92,7,45,15,73}	C 6 1/2 ^{7,38,45,73,65}		
F-series Pickup 85-86	E ⁶ M U A	8 1/4			✓	✓	C ^{92,45,73}	C [5 1/4 6 1/2]38,7,58		
F-series Pickup 87-91	E M U A	6 1/2			✓	88	C ^{92,45,77}	C [5 1/4 6 1/2]38,7,58		
Fairmont/Granada Sedan 78-83	[U A] ⁵	7	M ³⁰	7	✓	✓	A 3 1/2 ⁷ C ^{92,21,63} E ^{89,7,20}	E 6x9 ^{7,20,38}	D 6 1/2 ^{47,73} C 6 1/2 ^{36,7,63}	
Festiva Hatchback 88-91	E ⁶ M U A	6 1/2	E ^{26,28} [M U A] ²⁸	8 1/4	✓	✓	A 4 ⁵⁸ F 5 1/4 ⁷³	F 6 1/2 ^{18,37,73}	C 6 1/2 ^{47,54}	
Fiesta Hatchback 78-80	[M U A] ^{3,4}	8			✓	✓			E [6x9 P] ^{18,37,40} C [6 1/2 P] ^{45,47,69}	
Futura 82-83	[U A] ⁵	7	M ³⁰	7	✓	✓	A 3 1/2 ^{7,15} C ^{92,21} E ^{2,89,20} F ^{89,20,65,1}	E 6x9 ^{2,5,20}	D 6 1/2 ^{15,47,73}	
Granada 74-80	U A	8 1/2			✓	✓	C ^{92,7,61,15} E 6x9 ²⁰	C 6 1/2 ^{38,61,15,7}	E P ^{37,15}	
Granada 81-83	U A	7			✓	✓	A 3 1/2 ¹⁵ C ^{92,21,62} E ^{89,63,20}	C 6 1/2 ^{38,62}	E 6x9 ^{38,63,20}	
LTD Sedan 83-84	[M U A] ³	12			✓	✓	A 3 1/2 ⁷ C ^{92,21,75} E ^{89,20}	E 6x9 ^{20,38} P ^{15,37}	C 6 1/2 ^{7,38,75}	
LTD Sedan 85-89	E ⁶ M U A	10			✓	88	A 3 1/2 ⁷ C ^{92,21,75} E ^{89,20,2}	E 6x9 ^{20,38} P ^{15,37}	C 6 1/2 ^{7,38,75}	
LTD Crown Sedan 90-91	E ¹ M U A	7 1/2			✓	✓	C ^{92,7,8,77}	C [6 1/2 7,8,77] 6x9 ²⁰		
Mustang 79-84			[M U A] ³⁰	10 1/2	✓	✓	A 3 1/2 ^{7,52} C ^{92,58,7,21} F ^{89,7,20}	B 5 ^{37,37} C 6 1/2 ^{7,38,81}		
Mustang 85-86	E ⁶ M U A	10 1/2			✓	✓	A 3 1/2 ⁷ C ^{92,58,7,21} E ^{89,7,2} F ^{89,7,3}	B 5 1/4 ^{37,57}	F 6x9 ^{15,37,3} E 6x9 ^{7,20,38,2}	
Mustang 87-91	[E M U A]7	7 3/4			✓	88	A 3 1/2 ⁵³ C ^{92,61} E ^{89,2} F ^{89,7,77,3} D ^{4,89,57}	E 6x9 ^{20,38,2} C 6 1/2 ^{7,38,58}		
Pinto 71-80	E U A	9			✓	✓	C ^{92,65,7,15} E ^{89,20}	E 6x9 ^{5,20}	C 6 1/2 ^{7,38,65,15}	

FWD - Front Wheel Drive; RWD - Rear Wheel Drive; * - Adding a CD Changer directly to the factory radio is possible. Call Sales Advisor for details.

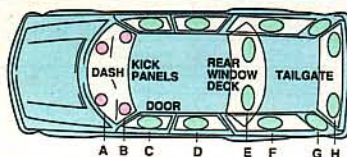
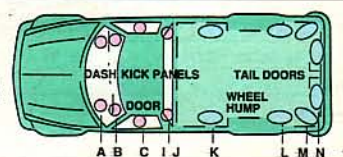
Model and Year (If your car is not listed, please call)	Recommended Receiver Sizes	Max. Dep.	Recommended Receiver Sizes	Max. Dep.	Wiring Harness	Speaker Location Codes with Sizes (see below)		
						Easy-Fit	Easy-Plus	Modify-Fit
Probe Hatchback 89-91	[E M U A] ⁷	6¾			✓	C 6½ ⁵⁹ D 6½ ¹¹		
Ranger Pickup 83-84	[M U A] ³	9			✓	A 4 ¹¹		C 6X9 ^{42,47,73} P ^{42,47,73}
Ranger Pickup 85-88	M U A	9	E ²²	9	✓	A 4 ¹¹		C 6X9 ^{42,47,73} P ^{42,47,73}
Ranger Pickup 89-91	M U A	7¼	E ²²	7¼	✓	C ^{92,7,58} J ^{57,8,61,21}	C 6½ ^{7,38,58}	
Taurus 86-89	E ⁶ M U A	7			✓	A 3½ ⁵⁵ C ^{92,61} E ^{89,7,8,61,2} G 6½ ^{15,57,1}	E 6x9 ^{20,10,7,2}	C 6½ ^{38,7,61}
Taurus 90-91	E ^{1,26} M U A	6¾			✓	C ^{92,65} E ^{89,7,15,61,2} G 6½ ^{16,61,1}	E 6x9 ^{20,10,7,2}	C 6½ ^{38,7,61}
Tempo 84	[M U A] ³	9			✓	A 3½ ⁵³ C ^{92,21,54} E ^{89,20}	E 6X9 ^{20,38} P ^{15,37}	C 6½ ^{38,7,54}
Tempo 85-87	E ⁶ M U A	9			✓	A 3½ ⁵³ C ^{92,21,54} E ^{89,20}	E 6X9 ^{20,38} P ^{15,37}	C 6½ ^{38,7,54}
Thunderbird 80-81	[M U A] ³	12			✓	A 3½ ^{15,7} C ^{92,61,15,7} E 6x9 ²⁰	C 6½ ^{38,61,7}	
Tempo Sedan 88-91	E ¹ M U A	8			✓	C ^{92,57} E ^{89,20,66}	E 6X9 ^{13,20,66}	C 6½ ^{7,36,57}
Thunderbird Coupe 83-88	E ⁶ M U A	9¾			✓	A 3½ ⁵⁵ C ^{92,69} E ^{89,7}	E 6X9 ^{20,38}	C 6½ ^{38,7,69}
Thunderbird Coupe 89-91	E ¹ M U A	6½			✓	C ^{88,7,65} D ^{88,7,73} D ^{89,21}	E [6X9] P ^{37,73}	
Geo								
Métro 89-91	E ¹ M U A	7½			✓	A 4 ^{7,45,59} F 4 ^{7,20}		C 6½ ^{42,47,59}
Prizm 89-91	E M U A	7			✓	A 8 ^{1,7,20} E 5¼ ² F 4x6 ^{20,3}		
Spectrum 89	E M U A	7			✓	A 4 ^{7,65} E 5 ^{7,20,2} F 4 ^{21,3}		C 6½ ^{45,47,57}
Storm 90-91	[E ⁶ M U A] ⁷	7¾			✓	C 6½ ^{90,7,63,15} H 4 ^{7,8,61}		C 5¼ ^{7,39,63,15} H 5 ^{7,8,36,61}
Tracker 89-91			E ^{22,27} [M U A] ²²	7½	✓	A 4 ⁷		C 6½ ^{42,47,59} K 5¼ ^{36,73}
GMC (see "Chevrolet" section)								
Honda								
Accord Coupe 88-89	E M U A	7¾			✓	C 6½ ^{7,8,58} E 6x9 ^{7,15,21,71}		
Accord DX/LX 90-91	[E M U A] ⁷	8			✓	C 6½ ^{7,8,58} E 6½ ^{7,8,2}		
Accord DX/LX Sedan 88-89	E M U A	7¾			✓	C 5 ^{7,8,45,58} E 6x9 ^{7,15,21,71}	C 6½ ^{7,38,45,58}	E 6½ ^{47,12}
Accord EX/SE 90-91	[E M U A] ⁷	8			✓	C 5 ^{7,8,58} E 6x9 ^{7,8,15,71}		
Accord 76-81	E M U A	6¾			✓	E 4 ²	D ³ 6x9 ⁹	C 6½ ^{47,61} P ^{47,61} E 6x9 ^{47,2}
Accord 82-85	E M U A	7			✓	C 5 ^{7,57} F 6½ ^{7,8,61,3} E 6½ ²	D 6x9 ^{9,3}	D 4 ^{47,2}
Accord 86-87	E M U A	7¾			✓	C 5 ^{7,8,45,55} F 6½ ^{7,8,3} E 6½ ^{7,2}	C 6½ ^{7,10,38,45,55}	
Civic Wagon 84-87	E M U A	7½			✓	C 4 ^{7,57}	H 5 ^{37,69,19}	C ¹⁹ 5¼ ^{47,57} D 5 ^{47,56}
Civic Sedan 81	E ¹ M U A	6¾			✓	A 4 ⁷		C 5¼ ^{47,52} D 4 ^{36,55} E 5¼ ^{47,35}
Civic 82-83	E M U A	6¾			✓	A 4 ⁷	D 6x9 ^{8,3}	C 5¼ ^{47,52} D ^{1,2} 4 ^{36,55} E 5¼ ^{47,2}
Civic Sedan 84-85	E M U A	7½			✓	C 4 ^{5,7,59} E 6½ ^{92,21}	C 5¼ ^{5,10,59}	
Civic 86-87	E M U A	7½			✓	D 4 ^{7,8,3} C 4 ^{7,8,59} E 6½ ²¹	C 5¼ ^{5,10,59} E 6½ ³⁷	
Civic 88-91	E M U A	7½			✓	C 5¼ ^{7,21} C 6½ ^{7,56,21} E 5¼ ⁵⁷	E 6½ ^{38,57,2}	F [6x9] P ^{18,37,40,3}
CRX Hatchback 84-87	E M U A	7			✓	C 5 ^{7,8,64}	F 5¼ ^{37,77}	
CRX Hatchback 88-91	E M U A	9½			✓	C 5¼ ^{7,8,57} D 5¼ ^{7,8,73}	D 6½ ^{5,12,73}	
Prelude 79-80	[E M U A] ⁴	8			✓	A 4 ^{7,15,73} E 5 ^{7,8,20,57}	D 6½ ^{9,61,20,38}	C 5 ^{47,57,15}
Prelude Coupe 81-82	[M U] ³	7¼			✓	A 4 ^{7,73} E 5 ^{7,57,8,20}	E 6½ ^{14,56,19} D ^{6x9,53}	C 5 ^{47,57}
Prelude Coupe 83-87	E M U A	7¼			✓	C 5 ^{7,56} E 6½ ⁷		
Prelude S Coupe 88-91	E M U A	6	[E M U A] ²⁸	9	✓	C 5 ^{7,8,57,21} E 4 ⁷	C 6½ ^{7,10,57} E 5 ^{7,37}	
Prelude Si Coupe 88-91	E M U A	6	[E M U A] ²⁸	9	✓	C 6½ ^{7,57} E 6½ ⁷		
Hyundai								
Excel 86	M U A	7			✓	C 4 ^{7,60} F ³ 5¼ ²¹ 4 ^{7,21} E 4 ^{7,2}		C 5¼ ^{7,36,60} E ² 6x9 ⁴⁷ P ⁴⁷
Excel 87-89	E M U A	7			✓	C 4 ^{7,20,60} F ³ 5¼ ²¹ 4 ^{7,21} E 4 ^{7,2}		C 5¼ ^{7,36,60} E ² 6x9 ⁴⁷ P ⁴⁷
Excel 90-91	M U A	7			✓	A 4 ⁷ C 5 ⁷ F 5¼ ^{20,21} E 5 ^{7,21} 5¼ ^{47,21}		E 6x9 ^{47,2} C 5¼ ^{7,36}
Scoupe 91	M U A	7			✓	A ^{84,81,55} E 5¼ ^{20,7,58}		
Sonata Sedan 89-91	M U A	8½			✓	A 3½ ⁵⁷		E 6½ ^{35,38} C 6½ ^{42,47,55}
Isuzu								
Amigo Utility 89-91	E M U A	7			✓	A 4	K 6½ ⁵	
I Mark 85-89	E M U A	7			✓	A 5 ^{7,65} F 5 ^{7,3} E 5 ²	E P ^{38,2}	D ² 5 ^{46,47} E 6x9 ^{47,2}
Impulse Coupe 83-89	M U A	7			✓	C 6½ ^{7,8,61} F 5 ⁷		F 6½ ³⁶
Impulse 90-91	[E M U A] ⁷	6½			✓	C ^{90,7,63} H 4 ^{7,8,61}		H 5 ^{7,8,36,61}
Rodeo 91	E M U A	7			✓	A [4 5] 7 ^{15,61} L 5 ^{7,8,15,73}		
Stylus 91	M U A	9			✓	C 5 ^{7,57}	E [5¼ 6½] P ^{37,38}	E 6x9 ⁴⁷
Pickup 81-87	M ³	7	[U A] ²²	7	✓	B 4 ^{7,52}		C 6x9 ^{36,65} P ^{36,65}
Pickup 88-91	I ⁶ M U A	7			✓	A 5 ^{7,15,65} 4 ^{85,7,15}		
Trooper Utility 84-91	M U A	7¾			✓	B 4 ^{7,58,20,11} N 5 ^{57,7,16}	B P ^{38,58}	C [6½] P ^{47,73} D [6½] P ^{47,71} N [6x9] P ^{47,57}
Jeep								
Cherokee 78-80	[U A] ¹	7			✓	L 5¼ ¹⁵	C 6x9 ^{37,65,15}	L 6x9 ^{47,15}

Speaker Location Codes

- A Front dash
- B Front kick panels
- C Front door panels
- D Rear door or rear seat side panels
- E Rear deck (below rear window)
- F For hatchbacks, on shock towers or side panels; for station wagons, on or behind rear wheel wells
- G For hatchbacks, on rear quarter panel; for station wagons, on rear pillar
- H Tailgate

- I Upper rear pillars (extended cab)
- J Behind seat, in cab corners or lower side wall
- K Mid-rear side panels

- L Far-rear side panels
- M Rear pillar post (vans, utility vehicles)
- N Tail doors

SEDAN/
HATCHBACK/
COUPE/
WAGONPICKUP/
VAN/
UTILITY
VEHICLE

Model and Year (If your car is not listed, please call)	Recommended Receiver Sizes	Max. Dep. Inches	Recommended Receiver Sizes	Max. Dep. Inches	Wiring Harness	Speaker Location Codes with Sizes (see below)		
						Easy Fit	Easy-Plus	Modify-Fit
XR4TI Coupe 85-90	E ¹ M U A	7 1/2			✓	A 5 7/32, 21 1/8, 21 1/8 F 5	F 6x9 P 18, 37, 40	C 5 41, 43, 47, 57 P 41, 43, 47, 57
Mitsubishi								
3000GT/VR4 91	E M U A	7 1/2			✓	C 96, 7, 8, 15, 45, 58 D 15, 89, 65		
Cordia 83-88	M U A	8			✓	F 3 5 7/32, 20	D 3 6x9, 20, 38	A 3 1/2 7, 35, 61, 15
Eclipse W/1 2-din Open. 90-91	E ⁶ M U A ⁷	8 3/8			✓	A 84, 81, 69 C 5 1/4 7, 61 D 86, 67, 21 6x9 21, 67		C 6 1/2 7, 36, 61 P 61
Eclipse W/2 1-din Open. 90-91	E M U A	8 3/8			✓	A 84, 81, 69 C 5 1/4 7, 61 D 86, 67, 21 6x9 21, 67		C 6 1/2 7, 36, 61 P 61
Galant Sedan 85-86	M	8			✓	A 81, 7 E 86, 7		C 5 1/4 47, 61
Galant Sedan 87-88	M U A	8			✓	A 81, 7 E 86, 7		C 5 1/4 47, 61
Galant 89-91			E M U A	7	✓	A 84, 81, 7, 55 C 5 1/4 7, 8, 69 E 86, 7		C 6 1/2 7, 36, 69
Mighty Max Pickup 83-86	M ³	7 1/2	[U A] ²⁶	7 1/2	✓	C 5 12, 58		C 6 1/2 35, 58 J 536
Mighty Max Pickup 87-91	E M U A	7 3/4			✓	A 81, 57	J 86, 78, 38	C 6 1/2 47, 59 J 6x9 47, 78
Mirage Hatchback 85-86	M	8 1/2			✓	D 5 1/2 21, 35 6x9 21		A 81, 49, 53 C 6 1/2 47, 58
Mirage 87-88	M U A	8 1/2	[23, 27]	8 1/2	✓	D 6x9 21		A 81, 49, 53 C 6 1/2 47, 58
Mirage 89-91	E ⁶ M U A ⁷	6 1/2			✓	A 81, 84 C 5 1/4 55 F 86, 3 E 86, 2		C 6 1/2 7, 36, 55
Montero 83-84	E M U A	6 3/4	[E M U A] ^{25, 29}	8 1/4	✓	C 5 72, 15 K 5 67	A 3 1/2 5, 7, 20, 54	C 6 1/2 47, 72, 15
Montero 85-86	E M U A	6 3/4	[E M U A] ^{25, 29}	8 1/4	✓	K 5 1/4 15, 20, 67	A 3 1/2 5, 7, 59	C 6 1/2 47, 72, 15 K 6x9 47, 67, 15
Montero 87	M U A	6 1/2	[M U A] ²⁵	8	✓	K 5 1/4 15, 20, 67	A 3 1/2 5, 7, 59	C 6 1/2 47, 72, 15 K 6x9 47, 67, 15
Montero 88-91	[E M U A] ⁷	10 3/4			✓	K ¹² D ¹² I ¹² D ¹² 90, 7, 8, 21, 75	A 3 1/2 5, 7, 20, 59	C 6 1/2 47, 72, 15
Precis Hatchback 87-91	E M U A	7			✓	C 5 7 F 47, 20	F 57, 20, 38	C 5 1/4 7, 36
Sigma Sedan 89-90	E M U A	6 3/8			✓	A 3 1/2 7, 51 E 6 1/2 7		C 6 1/2 42, 47, 61 E 6x9 47
Starion Hatchback 83-86	M U A	8			✓	C 4 7, 57 F 5 1/4 65	C 5 1/4 57, 37	
Starion Hatchback 87-89	M	7			✓	C 4 7, 57 F 5 1/4 65	C 5 1/4 57, 37	
Tredia 83-88	M U A	8			✓	E 5 1/4 15		A 3 1/2 37, 7, 15 C 5 1/4 42, 47, 57, 15
Van 87-91	M U A	6			✓	A 84, 81, 7, 58 K 5 1/4 7, 71		C 6 1/2 47, 65 P 47, 65 K 6x9 38, 47, 71
Nissan (including Datsun)								
200SX 80-83	[M U A] ¹⁸	6 1/2			✓	C 6 1/2 7, 8, 15, 63 E 2, 90, 7, 15 F 6 1/2 3, 15		
200SX 84-88	E M U A	7 1/2			✓	C 6 1/2 7, 58 E 6 1/2 2 F 6 1/2 7, 21, 3		
240Z/260Z/280Z Coupe 74-78	U A	7 3/8			✓	G 57		D 6x9 36 P 36 G 6 1/2 7, 36
240SX 89-91	I ^{1, 2, 6} M U A	7 1/2			✓	C 4x6 7, 53 F 4x6 7, 3		E 6x9 36, 2
280ZX Coupe 79-83	E M U A	7			✓	E 5 1/4 77	E P 38	E 6x9 36, 77
300ZX Coupe 84-89	E M U A	7 1/2			✓	C 6 1/2 7, 65 F 6 1/2 7, 73		
300ZX/2+2 W/Bose Sys. 90-91	I ^{1, 2, 6} M U A	6 1/2			✓	F 6 1/2 7, 8		C 6 1/2 8, 69, 49
300ZX/2+2 W/Bose Sys. 90-91	I ^{1, 2, 6} M U A	6 1/2			✓	C 6 1/2 7, 8, 69 F 4x6 7, 8, 63		
310 79-82	M U A	8 1/4			✓		C 415, 37, 35 C 415, 37, 35	
720 Pickup 80-86	M	6 3/4	[U A] ²⁴	6 3/4	✓	B 5 61		C 6x9 47, 73 P 47, 73
Axxess Van 89-90	M U A	7 1/4			✓	C 6 1/2 61 G 90, 15		
Hardbody Ext. Cab Pickup 86-91	E M U A	8			✓	C 6 1/2 59 J 5 53	C P 10, 38	J 5 1/4 36, 53
Hardbody Pickup 86-91	E M U A	8			✓	C 6 1/2 59 J 5 1/4 53	C P 10, 38	
Maxima Sedan 89-91	I ^{1, 2, 6} M U A	7			✓	C 4x6 E 6x9 2		C 6 1/2 35, 36, 69 E P 35, 2
Maxima Sedan 87-88	[E ⁶ M U A] ⁷	7			✓	C 5 1/4 7, 58 E 5 7/8, 21 5 1/4 7, 21		C 6 1/2 7, 36, 58 D 447, 2
Maxima 85-86	[E M U A] ⁷	7			✓	C 5 1/4 58 E 5 1/2		C 6 1/2 7, 36, 58 D 447, 2
Maxima 82-84	E M U A	7 1/4			✓	C 4 7, 8, 63 E 5 1/4 2 K 4x6 1		
Pathfinder Utility 87-91	E M U A	8			✓	C 6 1/2 58 K 6x9 64	C P 38 K P 38	
Pulsar Coupe 85-86	I ^{1, 2, 6} M U A	5	[2, 6, 25, 27] [M U A] ²⁵	7	✓	A 47 D 57, 73	D P 38	D 6 1/2 47, 73
Pulsar Coupe 87-90	I ^{1, 2, 6} M U A	9			✓	C 6 1/2 7, 45, 61 F 5 7, 8	F 6x9 10	
Sentra 82-86	M	7	[U A] ²³	7	✓	C 4 7, 8, 55 D 5 3 F 5 3 E 5 2	C 6 1/2 10, 37, 55	E 2 6x9 47 P 47
Sentra 87-90	M U A	11	E 22, 27	11	✓	F 1, 3 6x9 8, 21, 69 D 6x9 7, 73, 2	E 2 6 1/2 37, 61, 15 C 6 1/2 10, 35	F 3 P 35, 69
Sentra 91	I ^{1, 2, 6} M U A	7 1/4			✓		[E 27, 65 C 38, 59] 96, 15	
Stanza 82-83	E M U A	6 3/4			✓	C 5 7, 8, 15, 57 F 5 7, 20	C 5 1/4 15, 37, 38, 57	
Stanza 84-86	E ⁶ M U A	6 3/4			✓	C 5 7, 57 E 5 8, 2 F 5 7, 3	D 3 [4x6 6x9] 9, 77	C 6 1/2 7, 36, 57
Stanza W/Coin Pocket 87-89	I ^{1, 2, 6} M U A	10			✓	C 6 1/2 7, 56 F 3 6x9 7, 67 E 6x9 7, 2		
Stanza W/O Coin Pocket 87-89	M U A	10			✓	C 6 1/2 7, 56 F 3 6x9 7, 67 E 6x9 7, 2		
Stanza Sedan 90-91	E M U A	6			✓	C 6 1/2 7, 53 E 90, 64	E 6 1/2 12, 37, 64	
Stanza Wagon 85-87	I ^{1, 2, 6} M U A	10			✓	C 6 1/2 7, 8, 57 K 6 1/2 7, 8, 58		
Stanza Wagon 88			[2, 24] [M U A] ^{24, 27}	10	✓	C 6 1/2 7, 8, 57 K 6 1/2 7, 8, 58		
Van 87-91	I ^{1, 2, 6} M U A	6 1/4			✓	C 5 63 L 5 7, 8, 58		C 6 1/2 47, 63 P 47, 63 L 6x9 47, 49, 58
Oldsmobile								
88/98 Regency Sedan 86-90	[E M U A] ⁷	6 1/2			✓	A 3 1/2 7, 61 E 6x9 15, 71	E P 38	C 6 1/2 47, 58 P 47, 58

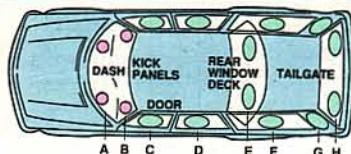
Speaker Location Codes

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B Front kick panels
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F For hatchbacks, on shock towers or side panels; for station wagons, on or behind rear wheel wells
G For hatchbacks, on rear quarter panel; for station wagons, on rear pillar
H Tailgate

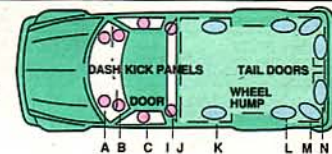
- I Upper rear pillars (extended cab)
J Behind seat, in cab corners or lower side wall
K Mid-rear side panels

- L Far-rear side panels
M Rear pillar post (vans, utility vehicles)
N Tail doors

SEDAN/
HATCHBACK/
COUPE/
WAGON



PICKUP/
VAN/
UTILITY
VEHICLE



Model and Year (If your car is not listed, please call)	Recommended Receiver Sizes	Max. Dep. inches	Recommended Receiver Sizes	Max. Dep. inches	Wiring Harness Rcvr Spkr	Speaker Location Codes with Sizes (see next page)		
						Easy Fit	Easy-Plus	Modify-Fit
Bravada 91	[E M U A] ⁷	6 3/4			✓	A 4x7,20,67 D 9x7,15		
Cutlass Calais 81-83	[E U A] ³	9			✓	A 3 1/2 7,15,53 E 4x10 ^{6,20}	E 6x9 ^{13,20}	C 5 1/4,44,47,61
Calais Coupe 84-91	[E M U A] ^{7,8}	6 3/4			✓	A 3 1/2 7,62 E 6x9 ^{6,20}		C 6 1/2 47,58 P 47,58
Custom Cruiser Wagon 78-87	[M U A] ³	7 7/8			✓	A 3 1/2 7,61		C 5 47,58
Custom Cruiser Wagon 88-90	[E M U A] ⁷	7 7/8			✓	A 3 1/2 7,61		C 5 47,77
Cutlass Ciera 82-91	[E M U A] ⁷	6 3/4			✓	A 3 1/2 7,55 E 6x9 ^{6,20,2} H 6x9 ^{7,1}	D 6 1/2 P 37,40,61,2	C 6 1/2 47,57 P 47,57
Cutlass Supreme Coupe 88-91	[E M U A] ^{7,8}	6 3/4			✓	A 4 7/45,57 E 6x9 ^{7,8,15}	E P 38	C 6 1/2 47,60 P 47,60
Cutlass Supreme Classic Coupe 84-88	[E M U A] ⁷	8 1/2			✓	A 3 1/2 7,57 E 4x10 ⁶	E 6x9 ¹³	D 6 1/2 47 P 47
Cutlass Supreme 78-83	[E U A] ³	9			✓	A 3 1/2 7,53 E 4x10 ^{6,20} F 1 4x10 ^{6,20}	E 6x9 ^{13,20}	C 5 44,47,61 D 5 44,47,61,1
Delta 88/Ninety Eight 78-85	[M U A] ³	7 7/8			✓	A 3 1/2 7 E 6x9 ²⁰		C 5 47,58
Firenza 82-88	[E M U A] ⁷	6 1/4			✓	A 3 1/2 7 E 6x9 ^{2,6,20}	G 4x10 ^{9,3}	C 5 1/4 47 53 P 47 53
Ninety Eight Regency 91	[E M U A] ⁷	6 3/4			✓	A 3 1/2 7,15,61 E 6x9 ^{7,15,71}	E P 37,71	C 5 1/4 6 1/2 P 47,58
Omega 83-84	[E M U A] ⁷	6 3/4			✓	A 3 1/2 7,53 E 4x10 ^{6,20}	E 6x9 ^{13,20}	C 5 1/4 47,53
Silhouette Van 90-91	[E M U A] ⁷	7			✓	A 4x6 ^{7,62} K 5 1/4		
Toronado 79-81	[M U A] ³	9			✓	A 4x6 ^{7,15}		E 4x10 ^{15,47,49,57} D 6 1/2 15,47,50
Toronado Coupe 82-85	[E M U A] ⁷	9			✓	A 4x6 ^{7,65}		D 6 1/2 36,50 E 4x10 ^{15,57,49}
Toronado/Trofeo 86-90 w/o CRT	[E M U A] ⁷	6 1/2			✓	E 6x9 ^{6,20} C 5 1/4 7,21,54		
Plymouth								
Acclaim/Sundance 89-91	[E M U A] ⁷	6 3/4			✓	C 5 1/4 7,58 D 2 5 1/4 7,45,69 F 88,3		C 6 1/2 7,36,61 D 6 1/2 47,78,3
Arrow 76-80	M ⁵	9						C 6 1/2 15,47,61 D 6x9 ^{15,47,69}
Caravelle/Reliant 85-88	[E M U A] ⁷	6 9/16			✓	A 3 1/2 48 E 88	E 6x9 ¹³	C 6 1/2 43,47,62
Champ/Colt 79-84			M 22,27	7 7/8	✓	F 4 3		C 6 1/2 47,58 P 47,58
Colt 85-86	M	8 1/2			✓	D 3 5 1/4 21,15,8 E 1 5 1/4 15	D 3 6x9 ^{21,15,8}	A 81,49,53 C 6 1/2 47,58
Colt 87-88	[M U A] ³	8 1/2	[23,27	8 1/2	✓	E 5 1/4 2 D 3 6x9 ²¹		A 88,49,53 C 6 1/2 47,58 E 6x9 ^{47,2}
Colt Custom Wagon 88-91	E ¹ M U A	8 1/2			✓			A 88,49,53 C 6 1/2 47,58
Colt 89-91	E ⁶ M U A	6 1/2			✓	A 81 C 5 1/4 55 F 88	F 6 1/2 38	C 6 1/2 7,36,55
Colt Vista Wagon 84-91	I M U A	6 3/4			✓		D 81,7,21,38,58	A 3 1/2 5,49 C 5 1/4 41,47,58
Conquest Coupe 84-86	[M U A] ³	7				C 47,57 F 5 1/4 65		C 5 1/4 7,57,36
Gran Fury Sedan 79-89	[E M U A] ⁷	7 1/4			✓	A 3 1/2 48 E 88	E 6x9 ^{13,20}	C 5 1/4 47,61
Horizon/Turismo 78-89	[E M U A] ⁷	5 9/16	[E M U A] ^{23,28,29}	7	✓	C 5 1/4 8,73	C 6 1/2 P 37,73	D 6x9 P 37 E 6x9 P 18,37,40
Laser Coupe W/1 2-din Open. 90-91	E ⁶ M U A	8			✓	A 84,81,69 C 5 1/4 7,61,21 D 86,67 6x9 ^{21,67}		C 6 1/2 7,36,61 P 61
Laser Coupe W/2 1-din Open. 90-91	E M U A	8			✓	A 84,81,69 C 5 1/4 7,61,21 D 86,67 6x9 ^{21,67}		C 6 1/2 7,36,61 P 61
Pickup 75-83	[E M U A] ⁷	7 3/4			✓			C 6 1/2 6x9 P 47 J 6x9 ⁴⁷ P 47
Reliant 81-84	[E M U A] ⁷	5 7/8			✓	E 88,15,2 A 3 1/2 21 F 1,88	E 6x9 ^{13,20}	C 6 1/2 15,43,47,62
Trailduster Utility 75-81	[E M U A] ⁷	7 3/4			✓		K 6x9 P 15,37	C 6 1/2 47 6x9 ⁴⁷ P 47
Vans W/Fac. Radio 78-83	[E M U A] ⁷	9 1/2			✓		A 3 1/2 5	C 6x9 ⁴⁷ P 47 N 6x9 ⁴⁷ P 47
Vans W/O Fac. Radio 78-83			[E M U A] ²⁵	9 1/2	✓		A 3 1/2 5	C 6x9 ⁴⁷ P 47 N 6x9 ⁴⁷ P 47
Volare 76-80	[E M U A] ⁷	7 1/2			✓	A 3 1/2 7,15,48 E 6x9 ²⁰		C 6 1/2 15,47,65
Voyager Van 84-90	[E M U A] ⁷	7 3/4			✓	A 5 1/4 7,59,15 H 6x9 ^{7,15,21,66}		C 5 45,47
Voyager 91	[E M U A] ⁷	6 3/4			✓		A 57,58 H 6x9 ^{73,15}	
Pontiac								
6000 82-91	[E M U A] ^{7,8}	6 1/2	[E M U A] ^{28,29}	7	✓	A 4x6 ⁷ E 6x9 ^{6,20,2} H 6x9 ^{15,1}	E P 2,37	C 6 1/2 42,47,59 D 6 1/2 47,66 P 47,66
Bonneville 82-84	[U A] ³	9			✓	E 4x10 ^{6,20,2} F 4x10 ^{1,8}	E 6x9 ^{13,20,2}	C 5 44,47,62
Bonneville Sedan 85-86	[E M U A] ⁷	9			✓	E 4x10 ^{6,20}	E 6x9 ^{13,20}	C 5 44,47
Bonneville Sedan 87-91	[E M U A] ^{7,8}	6 1/2	[E M U A] ²⁸	7 1/2	✓	A 4x6 ^{7,65} E 6x9 ^{7,20}	E P 37	A 57,35,65 C 6 1/2 41,47,58 P 41,47,58
Catalina 77-81	[U A] ³	8 1/2			✓	A 4x6 ^{7,15} E 6x9 ^{7,20}		
Fiero Coupe 84-88	[E M U A] ^{7,8}	6	[E M U A] ^{28,29}	7 1/4	✓	A 4x10 ^{7,15,77} D 4x6 ^{7,59} (1986-88)		C 5 42,47,51 P 42,47,51
Firebird Coupe 82-91	[E M U A] ⁷	7 1/2			✓	A 4x6 ^{7,55} D 6x9 ^{7,8,21,65}		C 5 1/4 37,66,44
Grand Am 78-81	[U A] ³	9			✓	E 4x10 ^{6,20}	E 6x9 ^{6,20}	C 5 15,44,47,62
Grand Am Coupe 85-91	[E M U A] ⁷	6	[E M U A] ^{28,29}	7 1/2	✓	A 4 7 E 6x9 ^{6,20}		C 6 1/2 42,47,54 P 42,47,54
Grand Prix 78-84	[U A] ³	9			✓	E 4x10 ^{6,20}	E 6x9 ^{13,20}	C 5 15,44,47,62
Grand Prix Sedan 85-87	[E M U A] ⁷	9			✓	E 4x10 ^{6,20}	E 6x9 ^{13,20}	C 5 44,47
Grand Prix 88-89			[E M U A] ²⁵	6 3/4	✓	A 4x6 ^{7,53} E 6x9 ^{7,8}		C 6 1/2 47,61
Grand Prix 90-91	[E M U A] ⁷	6 3/4			✓	A 4x6 ^{7,59} E 6x9 ^{7,8,15}		C 6 1/2 47,61
J2000/Sunbird 82-88	[E M U A] ⁷	5 7/8			✓	A 3 1/2 G 4x10 ^{6,73} E 2 6x9 ^{6,20} H 1 4x10 ^{6,1}		C 5 41,44,47,54 P 41,44,47,54
Lemans 78-81	[U A] ³	8 1/2			✓	E 2 4x10 ^{6,20}	F 6x9 ^{13,20} F 1 4x10 ^{6,20}	C 5 15,44,47,62
Lemans 88-91	E ¹ M U A	7 3/4			✓	A 4 7,55 F 47,60,3 E 6 1/2 7,2		F 3 6 1/2 P 18,37,40,60
Parisienne 83-84	[M U A] ³	7 3/4			✓	E 2 6x9 ^{6,20}	A 4x6 ^{7,11,15}	C 6 1/2 15,47,65
Parisienne 85-86			[E M U A] ^{28,29}	8	✓	A 4x6 ¹¹ E 6x9 ⁶	E P 15,37	C 6 1/2 47,65 P 47,65
Phoenix 80-84	[E M U A] ⁴	8			✓	A 4x6 ^{7,15} E 2 4x10 ^{6,20} F 3 4x10 ^{7,15}	E 2 6x9 ^{13,20}	C 5 15,47,54
Safari Wagon 87-90			[E M U A] ^{28,29}	8	✓	A 4x6 ¹¹		C 6 1/2 47,65 P 47,65
Sunbird 89-91	not recommended				✓	A 3 1/2 7	E 6x9 ^{5,20}	
T1000 81-87	M	6 3/4	[U A] ²³	6 1/4	✓	G 4x6 ^{7,15,69}		G 5 1/4 15,36,69
Transport Van 90-91	[E M U A] ⁷	7			✓	A 4x6 ^{7,62} K 5 1/4		
Porsche								
911/930 Coupe 73-86	E ¹ M U A	9			✓	C 5 1/4 7,69 E 88,57	C 6 1/2 37,68 E P 37,57	
911/Carrera 2/4 Coupe 87-91	E ¹ M U A	6 3/4			✓	C 5 7,8,73 E 83,57	C 6 1/2 P 37,41,73	E 5 1/4 P 37,57
924S 77-82, 87-89/94 83-85 1/2	E ¹ M U A	7 1/2			✓	C 83,7,57 D 83,7,57		C 5 1/4 47,57 P 47,57

FWD - Front Wheel Drive; RWD - Rear Wheel Drive; * - Adding a CD Changer directly to the factory radio is possible. Call Sales Advisor for details.

Model and Year (If your car is not listed, please call)	Recommended Receiver Sizes		Max. Dep.	Recommended Receiver Sizes		Max. Dep.	Wiring Harness		Speaker Location Codes with Sizes (see next page)		
	Easy-Fit	Inches		Modify-Fit	Inches		Rcvr	Spkr	Easy Fit	Easy-Plus	Modify-Fit
928 Coupe 78-83	E ¹ M U A	6		E ²⁷ M U A ²⁸	9		✓	Not Needed	C 3 1/2, 7, 63 D ⁸³ , 73 F 4 ⁵⁵		
928 Coupe 84-91	E ¹ M U A	6 1/2		E ²⁷ M U A ²⁸	8		✓	Not Needed	C 4 7/8, 60 D ⁸⁶ , 71 F 4 7/8, 55		
944/Turbo Coupe 85 1/2-91	E ¹ M U A	9					✓	Not Needed	C ⁸³ , 57 D ⁸³ , 7, 57, 20	F 6X9 ³⁷	
Saab											
900 79-82	E M U A	7					✓		A 4 7/15 E ² 4x10 ¹⁵ F ³ 4x10 ²⁰		D ² 6 1/2, 46, 47, 59, 15
900 83-91	E ¹ M U A	8					✓	Not Needed	A 4 7 F 4X10 ^{7,20}		
9000 Hatchback 86-91	E ¹ M U A	6 1/2					✓	Not Needed	A 4 7 F 6 1/2, 7, 9		
Saturn											
SC/SL/SL1/SL2 91	E M U A ^{7,2}	5 1/2		E M U A ^{2,20,29}	6 1/2				C ⁹⁰ , 7, 61, 15 E ⁹⁰ , 7, 15		
Subaru											
Brat Pickup 82-85	M U A	6 1/2					✓				C 6 1/2, 42, 47, 61 P ⁴² , 47, 61
Brat 86-87	M ¹	7									C 6 1/2, 42, 61, 37
DL/GL 82-86	M U A	6 1/2					✓	✓	F 5 7/3 D ² 5 E 5 ²		C 6 1/2, 42, 47, 61 P ⁴² , 47, 61 E 6x9 ^{47,2}
GL Hatchback 87-90	M U A	5 1/2					✓	✓	F 6 1/2, 7, 8, 55	C 6 1/2 P ³⁷	
DL/GL/RX W/Trip Comp. 85-89	M	6 1/2					✓	✓	C 5 7/8 E 6 1/2, 2 D 6 1/2 ¹	C 6 1/2, 37, 66	E ² 6X9 ⁴⁷ P ³⁵
DL/GL/RX W/O Trip Comp. 85-89	M U A	6 1/2					✓	✓	C 5 7/8 E 6 1/2, 2 D 6 1/2 ¹	C 6 1/2, 37, 66	E ² 6X9 ³⁶ P ³⁵
DL/GL Sport Coupe 86-89	M U A	5 1/2		E ²⁴	5 1/2		✓	✓	C 5 1/4, 7, 56 F 6 1/2, 7, 8, 65	C P ³⁸	C 6 1/2, 47, 56
Justy Hatchback 87-91	M U A	7					✓	✓		A 4x6 ⁵	C 5 1/4, 47, 55 P ⁴⁷ , 55
Legacy Sedan 90-91	M U A ⁷	6 1/2					✓		C 6 1/2, 7 E 6 1/2, 7		
Loyale W/O Trip Comp. 90-91	M U A	5 1/2					✓	✓	C 5 7/4, 66 E 6 1/2, 7, 8, 65, 2 D 6 1/2 ¹		C 6 1/2, 44, 47, 61
XT Coupe 85-91	M U A	7					✓	✓	C 6 1/2, 7, 61 E 6 1/2, 7		C 6 1/2, 7, 36, 61
Suzuki											
Samurai Utility 86-88	E M U A ³	8					✓	✓	B 4 9/61	B 6 1/2, 37, 38, 61	H [6X9] P ³⁷ , 40, 57 C [6 1/2] P ³⁵ , 52
Samurai Utility 88 1/2-91	E ¹ M U A	8					✓	✓	B 4 9/61	B 6 1/2, 37, 38, 61	H [6X9] P ³⁷ , 40, 57 C [6 1/2] P ³⁵ , 52
Sidekick Utility 89-91	E ¹ M U A	7 1/2					✓		A 4 ²¹	K [6 1/2] P ³⁷ , 73	C 6 1/2, 42, 47, 59 P ⁴² , 47, 59
Swift Hatchback 89-91	E ¹ M U A	7 1/2					✓		A 4 ²¹ , 59		C 6 1/2, 42, 47, 60 P ⁴² , 47, 60
Toyota											
4-Runner 84-89	I ^{1,2,6} M U A ⁷	7 1/4		E ²⁴	7 1/4		✓	✓	A ⁸¹ , 55	L 6x9 ³⁷ , 40 P ³⁷ , 40	C 5 1/4, 42, 47, 53 P ⁴² , 47, 53
4-Runner 90-91	I ^{1,2,6} M U A	7 1/4					✓	✓	A ⁸¹ , 10		
Camry 83-86	I ^{1,2,6} M U A ⁷	6 1/2					✓	✓	A ⁸¹ , 56 F ³ , 88, 69 E 5 ² , 21, 90, 21	L 5 1/4, 6 1/2, 5, 7, 15 P ³⁷	C 5 1/4, 42, 47 P ⁴² , 47, 53 L 6x9 ³⁷ , 40
Camry 87-91	I ^{1,2,6} M U A ⁷	8					✓			E 6 1/2, 5, 2	A ⁸⁴ , 10, 7
Celica 76-77	M	7 3/4					✓		E ² , 88, 20	E ² 6x9 ⁵ , 20	C 6 1/2, 15, 47, 63
Celica 78-81	M U A	6 1/4					✓	✓	E ² , 88, 15 F ³ 5 1/4, 67, 15	D ² 6 1/2, 37, 15	C 6 1/2, 15, 42, 47, 57
Celica 82-85	I ^{1,2,6} M U A ⁷	6		E ²⁵	6		✓	✓	A 3 1/2 E 5 7/8, 15, 2		C 6 1/2, 42, 47, 62 P ⁴² , 47, 62 F 5 7/3, 3
Celica 86-89	I ^{1,2,6} M U A ⁷	6					✓	✓	A ⁸¹ E 5 7/8, 2 F 5 7/8, 3		
Celica Hatchback 90-91	I ^{1,2,6} M U A ⁷	7		E ^{29,23}	7		✓	✓	A ⁸¹ D 6 1/2, 7, 8		C 6 1/2, 47, 59, 43
Corolla FX Hatchback 87-88	I ^{1,2,6} M U A ⁷	5 3/4					✓	✓	A 4 7/8, 53 F 5 1/4, 7		
Corolla GTS 84-87	I ^{1,2,6} M U A ⁷	8					✓	✓	A ⁸¹ F 5 1/4, 7, 8, 3	F ³ [6x9] P ¹⁸ , 37, 40	C 5 1/4, 41, 47, 53
Corolla/GTS/SR5 88-91	I ^{1,2,6} M U A ⁷	7 1/2					✓	✓	A ⁸¹ , 21 4 ²¹ F ⁸⁸ , 3 E 5 7/8, 73, 2		
Corolla 82-83	I ^{1,2,6} M U A ⁷	6 1/4					✓	✓	B 5 7/57 E ⁸⁸ , 2		C [6 1/2] P ⁴⁷ , 58 D ¹ [6 1/2] P ⁴⁷ , 45
Corolla Hatchback 84-86	I ^{1,2,6} M U A ⁷	6 1/2					✓	✓	A 4 7/8, 53 F 4 7/21		F 5 1/4, 7, 35, 12
Corolla Liftback 87	I ^{1,2,6} M U A ⁷	6 1/2					✓	✓	A ⁸¹ , 7, 53 E 5 7/8, 59, 2 F 4 7/21, 3		F 5 1/4, 7, 35, 3
Cressida 81-84	I ^{1,2,6} M U A ⁷	7 1/2					✓	✓	C 5 7/56 E ⁸⁸ , 2 L 5 7/8, 73, 1		C 6 1/2, 47, 56 D 6 1/2, 47, 61 E 6x9 ³⁶ , 2
Cressida 85-88	I ^{1,2,6} M U A ⁷	7					✓	✓	A ⁸¹ , 54 E ⁸⁸ , 2		
Cressida Sedan 89-91	I ^{1,2,6} M U A ⁷	6 1/2					✓	✓	A ⁸¹ , 71 C 5 1/4, 7, 8, 57 E 6 1/2, 7		
Landcruiser Utility 82-84	M U A	6 1/2					✓	✓	C 5 7/61		C 6 1/2, 47, 61 P ⁴⁷ , 61 L 6 1/2, 47, 73 P ⁴⁷ , 73
Landcruiser Utility 85-87	I ^{1,2,6} M U A	8					✓	✓	C 5 7/61	C [6 1/2] P ³⁸ P ⁶¹	L 5 1/4, 47, 73 P ⁴⁷ , 73
Landcruiser Utility 88-89	I ^{1,2,6} M U A	8					✓	✓	C 4	C 5 1/4, 37	
MR2 85-90	I ^{1,2,6} M U A	7 1/2					✓		A ⁸¹ , 7		C 5 1/4, 44, 47, 60
MR2 91	I ^{1,2,6} M U A	6 1/2		E ²⁵	6 1/2		✓		C 5 7/8, 15, 78	C 5 1/4, 10, 7, 38	J 5 15, 37, 40, 73
Pickup 73-78	M	5 1/4		[M U A] ²²	7 1/2						C 6 1/2, 15, 36, 55
Pickup 79-83	M	6 1/4		[U A] ^{25,27}	6 1/4		✓	✓	C 4 ⁵⁵		C 6 1/2, 36, 55 P ³⁶ , 55
Pickup 84-88	I ^{1,2,6} M U A ⁷	7 1/4		E ²³	7 1/4		✓		A ⁸¹ , 55 J 5 7/21, 76	J P ³⁸	C 6 1/2, 42, 47, 53 P ⁴² , 47, 53 J 6 1/2, 36, 76
Pickup 89-91	I ^{1,2,6} M U A ⁷	7					✓		A ⁸⁴ , 81, 73		C 6 1/2, 42, 47, 57 P ⁴² , 47, 57 J 6 1/2, 35, 75
Previa Van 91	I ^{1,2,6}	9 1/4					✓	✓	A 5 1/4, 7, 15, 58 K 5 1/4, 7, 8, 61, 15		
Starlet Hatchback 81-82	M U A	8					✓	✓	B 5 7/57		C 6 1/2, 47, 65 P ⁴⁷ , 65
Supra 82-86	E M U A ⁷	6		E ²⁵	6 1/2		✓		A 3 1/2, 15		C 6 1/2, 15, 42, 47, 62 F 5 35, 7
Supra Liftback 87-91	I ^{1,2,6} M U A ⁷	7 1/2					✓	✓	C 4 7/8, 58 F 5 7/8, 69		
Tercel 83-84	I ^{1,26} M U A ⁷	8					✓		A ⁸¹ , 7, 15 F ¹ 5 1/4, 7, 8, 15		D ³ 4 47, 71, 15
Tercel 85-86	I ^{1,26} M U A ⁷	8					✓		A ⁸¹ D ³ 5 1/4 21, 7, 8 F ¹ 5 1/4, 7, 8, 15		
Tercel 87-90	I ^{1,2,6} M U A ⁷	7 1/2					✓	✓	A ⁸¹ , 65 E 4 7/2	E ² 6 1/2, 37 F ³ 5 37	C 6 1/2, 47, 65 P ⁴⁷ , 65
Tercel 91	I ^{1,2,6}	7 1/2					✓	✓		C [5 1/4] 6 1/2 [12, 7, 4, 57]	E [6 1/2] 6x9 P ¹² , 47
Tercel Wagon 85-88	I ^{1,2,6} M U A ⁷	8					✓	✓	A ⁸¹	L 4 9, 12	D 5 47, 72
Van Wagon 84-91	I ^{1,2,6} M U A	6 1/2					✓	✓	A ⁸¹ , 65 M 5 7/77	K [5 1/4] P ³⁷ , 69	C 6 1/2, 44, 47, 65 P ⁴⁴ , 47, 65
Volkswagen											
Beetle 66-77	[M U A] ³	9								E 6x9 ⁹ , 15	C 5 47, 59, 15 D 6x9 ¹⁵ , 37, 40
Bus 68-79	E ¹ M U A	9								C 6x9 ³⁷ , 66, 15	
Cabriolet 86-91 Convertible 80-85	E ¹ M U A	5 1/2		E ²⁷ M U A ²⁸	6 1/4				C ⁸³ , 65 D 3 1/2, 20, 7		C 6 1/2, 42, 47, 65 P ⁴² , 47, 65

Footnotes for these charts are on page 67. † - CD Changer can be added directly to 1988 and newer Chrysler vehicles with "Infinity" radio. Call Sales Advisor for details.

Model and Year (If your car is not listed, please call)	Recommended Receiver Sizes	Max. Dep.	Recommended Receiver Sizes	Max. Dep.	Wiring Harness		Speaker Location Codes with Sizes (see below)		
	Easy-Fit	Inches	Modify-Fit	Inches	Rcvr	Spkr	Easy-Fit	Easy-Plus	Modify-Fit
Corrado 90-91	E ¹ M U A	7			✓	✓			C 535,7
Dasher 76-81	E ¹ M U A	5 1/2	[E ²⁷ M U A] ²⁸	6 1/2	✓	✓	C 4x6 ^{7,20,62} F ³ 4x6 ^{20,7}	F ¹ 6 1/2 ^{15,37}	
Fox 87-91	E ¹ M U A	7			✓	✓	E ^{90,20,2} D 57,1		A 81,49,58 C 6 1/2 ^{45,47,60}
Golf/GTI 85-90	I ⁶ M U A	6 1/2	[I ⁶ M U A] ²⁸	7 1/2	✓	✓	A 3 1/2 ^{7,8,57} C 5 1/4 ^{20,21,61,7} F ^{83,21,68,21}		
Golf/GTI 91	E M U A	6 1/2	[E M U A] ²⁸	7 1/2	✓	✓	A 3 1/2 ^{7,8,57} C 5 1/4 ^{20,21,61,7} F ^{83,21}		
Jetta 80-84	E ¹ M U A	6	[E ²⁷ M U A] ²⁸	6 1/2	✓	✓	C ^{83,57,15} E 4 ¹⁵		D 6 1/2 ^{15,47,55} E 6x9 ^{47,15}
Jetta Sedan 85-91	E ¹ M U A	6	[E ²⁷ M U A] ²⁸	7	✓	✓	A 3 1/2 ^{7,51} C 5 1/4 ^{7,61,20,21}	D 6 1/2 ^{37,58,46} E 5 ³⁸	E 6x9 ⁴⁷ P ⁴⁷
Passat 91	E ¹ M U A	8			✓	✓	A ^{84,61}		
Quantum 82-88	E ¹ M U A	5 1/2	[E ²⁷ M U A] ²⁸	6 1/2	✓	✓	C ^{83,66} E 5 ²		D 6 1/2 ^{45,46,47,63} E 6x9 ⁴⁷ P ⁴⁷
Rabbit/Pickup 75-80	E ¹ M U A	6	[E ²⁷ M U A] ^{28,3}	6 1/2	✓	✓	C ^{83,69} F ^{83,66,21,3}	F ^{6x9} P ^{18,37,40,3}	
Rabbit/Pickup 81-84	M	7 3/4	[U A] ²²	7 3/4	✓	✓	A 3 1/2 ^{7,8} F ^{88,83,21,3}	F ^{6x9} P ^{18,37,40,3}	C 6 1/2 ^{42,47,62} P ^{42,47,62}
Scirocco Hatchback 75-81	E ¹ M U A	6 1/2	[E ²⁷ M U A] ²⁸	6 1/2	✓	✓	C ^{83,66} F ^{83,20,7}	E [6x9 P] ^{18,37,40}	C 6 1/2 ^{47,66} P ^{47,66}
Scirocco Hatchback 82-88	E ¹ M U A	6 1/2	[E ²⁷ M U A] ²⁸	6 1/2	✓	✓	C ^{83,7,57} F ^{83,20,7}	E [6x9 P] ^{18,37,40}	
Super Beetle Convertible 73-79	U A	8 1/2							C 547,59
Vanagon Van 80-91	E ¹ M U A	6 1/2			✓	✓	C 47,65	L [6x9 P] ^{37,61}	C 6 1/2 ^{36,65} P ^{36,65}
Volvo									
240 Series 80-81	E M U A	7 3/4						C47,15,53 F ^{15,15,37}	E 6 1/2 ^{47,15,2}
240 series 82-89	E M U A	7 3/4			✓	✓		C45,53,15 F ^{15,15,37}	E 6 1/2 ^{47,15,2}
740 85-91/760 83-88	E M U A	9			✓	Not Needed	E 5 1/4 ^{7,8}	C547,38,57 D547,52	
760 89-90/780 88-90	E ¹ M U A	9			✓	Not Needed	E 5 1/4 ^{7,8}	C547,38,57 D547,52	
940 91	E ¹ M U A	9			✓	Not Needed	E 6x9 ^{20,7}	C 547,38,57 D 547,52,38	

FOOTNOTES

Receiver-Related Footnotes:

Easy-Fit

The receiver may be installed without making any modifications to the vehicle. You'll need an installation kit for proper installation unless otherwise noted.

1. Installation kit is not required.
2. Use factory brackets. Supplied with factory radio or available from your automobile dealer.
3. Kit is required unless vehicle came with factory radio
4. Underdash kit required.
5. Kit is not essential but improves appearance or saves time.
6. Pullout receiver cannot be installed in this car without major modification.
7. This unit, along with an equalizer, may also be installed in the dash of this car with a rack-type install kit. Please call sales advisor for details.
8. Extension kit is required.

Modify-Fit

21. Extension kit is required
22. Slight filing (less than 1/16") will have to be done to your car's factory trim panel opening for this receiver to properly fit.
23. Major filing (more than 1/16") to your car's trim panel opening for this receiver to properly fit.
24. Minor cutting (less than 1/4") of your car's radio cavity in order for this receiver to properly fit.
25. Major cutting (greater than 1/4") of your car's radio cavity and/or trim panel in order for this receiver to properly fit.
26. Major modification to your car's radio mounting location in order for this receiver to properly fit. We recommend consulting a professional installer before attempting this installation.
27. Installation kit is not required after modifications have been completed.
28. Removal of factory rear support will increase depth. Support may have to be cut out or unbolted.
29. This unit, along with an equalizer, may also be installed in the dash of this car with a rack-type kit. Please call for details.
30. Factory shaft cups may have to be cut for installation.

Speaker-Related Footnotes:

1. Wagon only.
2. Sedan/coupe only.
3. Hatchback only.
4. Convertible only.
5. Bracket is required and available from Crutchfield. Call your sales advisor for more details.
6. To avoid cutting, use aftermarket hangers available from Crutchfield for a direct fit.
7. Use factory grilles.
8. Use factory bracket.
9. Custom grille required - Call sales advisor for details.
10. May require removal of factory bracket/grilles.
11. Grille/bracket required if vehicle not originally equipped with speakers.
12. If vehicle not equipped with factory speakers. 6x9" may be used with an adaptor.
13. Speaker spacer is required (Call sales advisor for details).
15. Top-mount only.
16. In roof of wagon only.
17. Or replace 8" factory speakers.
18. On removable hatch deck.
19. Non-4 wheel drive models only.
20. Bottom-mount only.
21. When factory equipped.
35. Mounting spacer or adaptor is required and may have to be fabricated. Call your sales advisor for more details.
36. Cut metal.
37. Cut plastic, wood, or pressboard.
38. Redrill screw holes.
39. Fabricate speaker mounting brackets.
40. Reinforce panel.
41. Door pocket partially covers speaker.
42. Door pocket may need to be removed and/or modified.
43. With power windows only.
44. Without power windows only.
45. Mounting height interference possible. Check tweeter protrusion.
46. Ashtray has to be permanently removed to install speakers.
47. Mounting speakers in this location requires cutting of the cardboard/vinyl panel, the steel substructure, and drilling new mounting holes.
48. Cutting of speaker location required if car not equipped with factory speakers.
49. Very difficult installation.

Speaker Depth Footnotes.

Depth should not exceed:

50. 1 1/4"	65. 3"
51. 1 1/4"	66. 3 1/4"
52. 1 1/4"	67. 3 1/4"
53. 1 1/2"	68. 3 1/2"
54. 1 1/2"	69. 3 1/2"
55. 1 1/2"	70. 3 3/4"
56. 1 1/2"	71. 3 3/4"
57. 2"	72. 3 3/4"
58. 2 1/2"	73. 4"
59. 2 1/2"	74. 4 1/4"
60. 2 3/4"	75. 4 1/4"
61. 2 3/4"	76. 4 1/4"
62. 2 3/4"	77. 4 1/2"
63. 2 3/4"	78. 4 3/4"
64. 2 3/4"	79. 4 3/4"

The speakers listed below represent those which are a direct factory replacement when mounting depth and height measurements match the car.

81. Pioneer TS-1018, Sony XS-44
82. Jensen JFX-144, JCX-244
83. Kenwood KFC-463V, Pioneer TS-A4605
84. Sony XS-44
86. Pioneer TS-1609 7"
87. Sony XS-8031
88. Pioneer TS-A5703/5705 (5x7 size)
89. Pioneer TS-A5703/5705 (6x8 size)
90. JBL T-600, Sony XS-6026 Item #158XS6026 YOUR LOW PRICE: \$89
91. Kenwood KFC-127B Item #113KFC127B YOUR LOW PRICE: \$99
92. JVC CS-627, Pioneer TS-A1640, TS-A1670

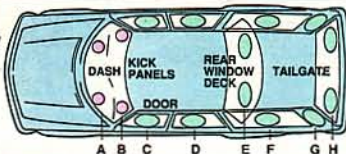
P denotes plate mount speakers. See page 37.

Speaker Location Codes

- A Front dash
- B Front kick panels
- C Front door panels
- D Rear door or rear seat side panels
- E Rear deck (below rear window)
- F For hatchbacks, on shock towers or side panels; for station wagons, on or behind rear wheel wells
- G For hatchbacks, on rear quarter panel; for station wagons, on rear pillar
- H Tailgate

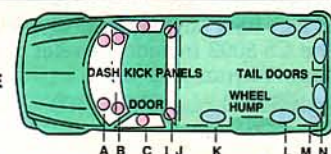
- I Upper rear pillars (extended cab)
- J Behind seat, in cab corners or lower side wall
- K Mid-rear side panels

SEDAN/
HATCHBACK/
COUPE/
WAGON



- L Far-rear side panels
- M Rear pillar post (vans, utility vehicles)
- N Tail doors

PICKUP/
VAN/
UTILITY
VEHICLE



Security

68

1-800-446-1640

Car Alarm Systems

The first step in buying a car alarm system is determining what kinds of protection you need.

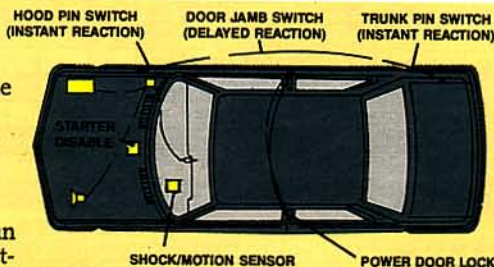
Most alarms include some type of current- or voltage-sensing that detects the slight current drain that occurs when the interior courtesy lights are triggered. Entry via doors, hood, and trunk can also be monitored by pin switches—the small plunger devices that activate the courtesy lights.

To guard against broken windows and tampering, select an alarm that includes electronic motion/shock sensors. These sensors identify even slight metal-on-metal or metal-on-glass contact, as well as

glass breakage, while ignoring the effects of wind and rain.

To ensure that the thief doesn't drive off with your car, install an alarm with a starter disable circuit. This feature completely disables your car's starting system whenever the alarm is armed.

There are two methods for arming and disarming car alarms—active and passive. Active arming/disarming requires that you activate and shut off the alarm yourself,



usually with a key-chain remote control. Remote transmitters let you disarm your alarm from as much as 100 feet away. Some remotes even include a "panic" feature for instantly sounding your alarm's siren. Passive, on the other hand, automatically engages shortly after you close that last door or remove your ignition key. If your car has power door locks, consider an alarm that can interface, allowing you to lock and arm your car simultaneously!

Car Alarms

System	Passive or Active Arming	LED Status Indicator	Attack or Shock Sensor	Glass Break Sensor	Starter Disable	Door Lock Relays	Ignition Door Lock	Parking Light Output	Dome Light Output	Pulsed Output During Alarm	Remote Controlled Outputs	Auto Zone Bypass	Back-up Battery Input	2 Car Operation
Crimestopper CP-4901S	passive	yes	included	optional CS-103	no opt. CS-8002	n/a	no	no opt. CS-404	no	no	no	no	optional CS-412	n/a
Crimestopper CS-8700	either	yes	included	optional CS-103	yes opt. relay E-5000	optional 2 E-5000	no	yes 1 relay needed	no	no	no	no	optional CS-412	no
Crimestopper CS-8703	either	yes	included	optional CS-103	yes relay included	optional 2 E-5000	no	yes 1 relay needed	no	no	no	yes	optional CS-412	yes
Crimestopper CS-8716	either	yes	included	optional CS-103	yes relay included	optional 2 E-5000	no	yes 1 + 10A	no	no	no	yes	optional CS-412	yes 3 car
Crimestopper CS-8717	either	yes	included	optional CS-103	yes relay included	optional 2 E-5000	no	yes 1 + 10A	no	no	yes 1 relay required	yes	optional CS-412	yes 3 car
Kenwood KPC-31	either	yes	optional	built-in	yes relay included	optional 2 E-5000	yes switchable	yes 1 output relay needed	no	yes relay needed	no	yes	optional CS-412	yes
Kenwood KPC-41	either	yes	optional	built-in	yes relay included	optional 2 E-5000	yes switchable	yes 2 5A pos outputs	yes relay needed	yes relay needed	yes 2 relays needed	yes	optional CS-412	yes
Kenwood KPC-61	either	yes	optional	built-in	yes relay included	built-in	yes switchable	yes 2 5A pos outputs	yes	yes 10A relay built-in	yes 2 relays needed	yes	yes CS-411C	yes
Prestige APS-1	either	yes	optional PRO9094	optional CS-103	yes opt. relay E-5000	optional AS9159	no	no opt. CS-404	no	no	no	no	optional CS-412	no
Prestige APS-2	either	yes	optional PRO9094	optional CS-103	yes	optional AS9159	no	yes	no	no	no	no	optional CS-412	no
Prestige APS-5	either	yes	optional PRO9094	optional CS-103	yes	optional AS9159	no	yes	no	no	yes 1 relay required	no	optional CS-412	yes

Crimestopper CS-8002 Starter Kill System

If your car won't start, the thief can't take it. That's the simple premise behind the CS-8002 digital starter kill system. It can be used alone or as an add-on security device with our other Crimestopper alarm systems. The CS-8002 arms automatically when the ignition is turned off, with a built-in 15 second exit delay. Once armed, the vehicle will not start until the correct code is entered into the keypad. To start the car, turn on the ignition, then enter your unique 4-digit code. The CS-8002 includes a valet circuit to temporarily disengage the system. Warranty: 1 year.

Item #041CS8002 List Price: \$70 **YOUR LOW PRICE: \$59**



Prestige APS-1

The APS-1 offers passive or active arming and is our most affordable remote-controlled alarm. Your vehicle's doors, hood and trunk are protected with a 118 dB siren. When activated, the APS-1 acknowledges with an audible chirp. In addition, a dash-mount LED indicator is illuminated, eliminating the guess work for you (and your local car thief)! Another great convenience is the service override function (for valet parking, loading groceries, etc.). The two supplied remote controls let you arm and disarm your APS-1, and include a panic function to instantly sound the siren. Warranty: 5 years.

Includes: Transmitter, 4-function LED indicator, pin switches, 2 wireless remotes, siren.

Item #220APS1 **YOUR LOW PRICE: \$99**

Shock Sensor Item #220PRO9094 **\$19**

Door Lock Relay Item #220AS9159 **\$29**



Crimestopper CP-4901S

This alarm's pocket-sized pager alerts you to any attempted break-in. Actually, you have a choice of alerts: pager only, siren only, or pager and siren. The CP-4901S comes with a motion/shock detector and 2 micro transducers (to detect door openings). And it can be wired to your existing pin switches for additional security. Your ignition key controls the arm/disarm system. Passively armed and featuring entrance and exit delays, the CP-4901S is user programmable so you can change transmission codes at your convenience. The 4-watt transmitter has a range of up to two miles. The optional weather-resistant CS218 antenna increases the range dramatically. Warranty: 1 year.

Includes: Pager, transmitter, 2 resonance sensors, CS-97 adjustable motion/shock sensor, LED status indicator, 117 dB siren.

Item #041CP4901S List Price: \$180 **YOUR LOW PRICE: \$139**

12" antenna Item# 041CS218 \$34

Extra micro sensor Item #041CS220 \$7



Crimestopper CS-8700

Now you can arm and disarm your alarm system from up to 60 feet away with a remote control small enough to hang from your key chain. Just press a button on the remote and your car is protected with starter disable and instant-alarm pin switches. And since you also have remote disarming, you'll never have to rush to beat a pre-programmed entrance delay. With passive last-door arming you're covered even if you forget to arm with the remote. For added peace of mind, the CS-8700's transmitter includes a panic button, and the system has automatic last door arming. Lifetime warranty.

Includes: One-button wireless remote, receiver, CS-97 motion/shock sensor, 2 pin switches, starter disable (requires relay #120E5000 \$9), 4-function LED status indicator, siren.

Item #041CS8700 List Price: \$200

YOUR LOW PRICE: \$149

Dual Remote Version Item #041CS8700A

List Price: \$250 **YOUR LOW PRICE: \$179**



Crimestopper CS-8703MX

With billions of user-programmable security codes, the possibility that a thief can scan for the MX system's code and gain access to your vehicle is absolutely nil. The CS-8703MX offers both passive arming when the last door is closed, and, with the keychain remote, active arming and disarming. It confirms arm/disarm/intrusion alarm status with an LED and audible chirp. And with the remote panic button, you can instantly sound your 117 dB siren. The CS-8703MX's protection features include an electromagnetic shock/motion sensor, instant triggers, and a passive arming bypass switch. Optional relays are available to automatically lock and unlock your doors, and flash your parking lights for added visual alert. Lifetime warranty.

Includes: Receiver, wireless remote, CS-97 shock-motion sensor, 2 pin switches, 4-function LED status indicator, starter disable, auto door lock circuit (requires 2 relays #120E5000 \$9), flashing lights circuit (relay #120E5100), siren.

Item #0418703C List Price: \$240

YOUR LOW PRICE: \$199

Dual Remote Version Item #0418703CA

List Price: \$290 **YOUR LOW PRICE: \$229**



Crimestopper CS-8716MX

The advanced CS-8716MX emits separate distinctive chirps as it arms, warning you of any defective triggers, if you've forgotten to take your key out of the ignition, or if you've left your door, hood, or trunk ajar. With multi-zone protection, you can bypass a particular entry zone and still have your other zones protected. Other great security features include its smart C-MOS micro-processor brain, flashing lights circuit, last door arming, a 3-channel remote for arming and disarming, manual passive override, and a remote instant panic button. Its advanced design protects with an electromagnetic shock/motion sensor, instant triggers, key-sensing circuit, starter disable circuit, and billions of user-programmable codes. Optional relay for auto door lock circuit available. Lifetime warranty.

Includes: Receiver, 3-channel wireless remote, CS-97 motion/shock sensor, starter disable, 2 pin switches, 6-function LED status indicator, 117 dB siren, auto door lock circuitry (requires 2 relays #120E5000 \$9).

Item #041CS8716 List Price: \$300

YOUR LOW PRICE: \$249

Dual Remote Version Item #041CS8716A

List Price: \$349 **YOUR LOW PRICE: \$279**



Crimestopper CS-8717MX

The CS-8717MX's smart C-MOS micro-processor brain gives you extra time after the arming "chirp" to retrieve the ignition key or close an open door or hood/trunk. It offers passive last door arming or active arming with the 3-channel keychain remote, as well as a remote panic button, adjustable voltage sensing, key-sensing circuit, multi-zone protection, and flashing lights circuit. You'll really appreciate the extra trigger output provided to activate an electric trunk release! And the CS-8717MX makes it tough for thieves, with a sophisticated electromagnetic shock/motion sensor, and instant-trigger pin switches. The 6-function LED and audible chirp signals will keep you informed of alarm status and any attempted intrusions. Lifetime warranty.

Includes: Receiver, 3-channel wireless remote, CS-97 motion/shock sensor, starter disable, 2 pin switches, auto door lock circuitry (requires 2 relays #120E5000 \$9), 6-function LED status indicator, 117 dB siren.

Item #041CS8717 List Price: \$380

YOUR LOW PRICE: \$299

Dual Remote Version Item #041CS8717A

List Price: \$430 **YOUR LOW PRICE: \$329**

Alarm Accessories

Crimestopper 4900WRS Accessory Pager lets you add paging capability to any Crimestopper alarm or any alarm with a 12 volt siren output. Also, when connected to a cellular phone that has a horn alert output, the pager will notify you of incoming calls. System includes pager and transmitter. (Use with cellular phone or alarm requires relay Item #120E5000 \$9)

Item #0414900WRS \$99

Microwave Interior Movement Sensor Item #041CS95 \$79

Wireless remote trigger module Item #041CS94MX \$59

130 dB Piezo Siren Item #041CS208 \$44

Audio Guard Sound Sensor Item #041CS103 \$29

Auto Body Guard II Vibration Sensor Item #041CS104 \$29

Weather resistant 12" antenna for 4900WRS & CP4901

Item # 041CS218 \$34

Adjustable Motion and Shock Sensor Item #041CS97 \$19

Mini Piezo Siren Item #041CS192 \$15

SPST Relay Item #120E5000 \$9

Door Pin Switch Item #041CS115 \$2

Hood/Trunk Pin Switch Item #041CS116 \$2

Extra remote transmitter for CS8700 Item #041CS222A \$44

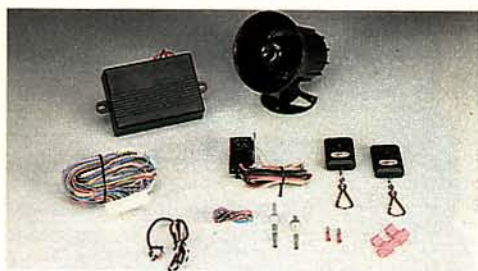
Extra remote transmitter for CS8703C/CS8716/CS8717

Item #041MX4491 \$59

Replacement batteries for 041CS222 & MX44 Item #041CS221 \$3 (4 req.)

Replacement battery for 041CS222A & MX4491 Item #041CS221A \$1.50

Above items may require additional trigger inputs on alarm.



Prestige APS-2

The Prestige APS-2 offers both automatic passive arming when the last door is closed, and active arming using the two included keychain remotes. Arm your alarm and the siren will "chirp" and the parking lights will flash, assuring you that your APS-2 is on duty. The remote's LED indicates battery level and arm/disarm confirmation. In emergency situations, you can sound the siren instantly with the panic function. The convenient valet feature overrides all alarm functions so you don't have to give parking attendants your remote. The APS-2 has a starter disable circuit with relay, plus a relay to flash your parking lights. You'll have added protection for essential peace of mind. Warr: 5 years.

Includes: Control module, 2 wireless remotes, hood and trunk pin switches, LED status indicator.

Item #220APS2 **NEW LOW PRICE: \$119**

Shock Sensor Item #220PRO9094 **\$19**

Power Door Lock Module

Item #220AS9159 **\$29**



Prestige APS-5

The APS-5 is the most complete and user-friendly alarm we've seen in this price range. It's compatible with your existing door pin switches, and includes two switches for the instant-trigger hood/trunk circuit. The two 2-button remotes permit 2-car programming (without loss of features). You can arm and disarm the system from up to 100 feet away, sound the 120 dB siren instantly in case of trouble, and even lock and unlock your car's doors with the optional relay (#220AS9159 \$29). If you prefer, the APS-5 can arm automatically 30 seconds after the last door is closed, should you forget to arm with the remote. Even if a thief manages to get into your car, the starter disable will see to it that he doesn't go anywhere. In addition to the piercing electronic siren, a built-in relay simultaneously flashes the parking lights to draw even more attention to your vehicle when the alarm is tripped. Made in USA. Warranty: 5 years.

Includes: Receiver, 2 wireless remotes, 2 pin switches, valet switch, LED indicator, starter disable, siren.

Item #220APS5 **NEW LOW PRICE: \$159**

Shock Sensor Item #220PRO9094 **\$19**



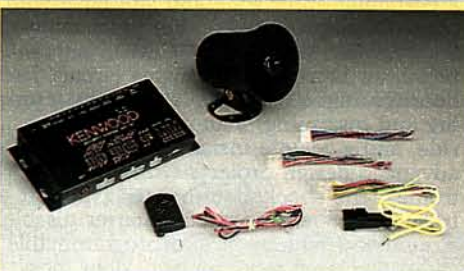
Kenwood KPC-31

Kenwood doesn't lower quality standards at the expense of your security. Their "base model" KPC-31 includes a glass breakage sensor with adjustable sensitivity, and a starter disable relay ensures that a thief cannot start or hotwire your engine while the alarm is armed. And you can temporarily disable the KPC-31 with



Kenwood KPC-41

For even greater convenience, step up to the KPC-41. It offers the same quality design features as the KPC-31, and includes 4-channel remote operation. You get arm/disarm capability, panic function, and you can operate the trunk release and a second vehicle's alarm from a single, ultra-slim remote control! A convenient Sensor



Kenwood KPC-61

For optimum convenience and security, choose the KPC-61. It offers Multiple Sensor Mode and selectable Sensor Shunt that lets you choose when you want automatic shut-down of a malfunctioning circuit. If you ever park in a high-theft area, it might be to your best advantage to disengage the Sensor Shunt feature—the KPC-61 gives you that choice. You also get versatile 4-channel remote operation for active arming and disarming of your

Kenwood Alarm Accessories

Remote Control Unit

Item #113CS315 **YOUR LOW PRICE: \$59**

Optional Antenna

Item #113CS415 **YOUR LOW PRICE: \$24**

Attack Sensor

Item #113CS515 **YOUR LOW PRICE: \$39**

its Valet mode. A super-thin 2-button remote lets you arm and disarm the alarm from outside your vehicle and even operate a second vehicle's alarm. The KPC-31 will also arm automatically 30 seconds after you exit your car. For added protection, a panic feature lets you activate the siren in emergency situations from the remote control. Add-on options include a door lock module for integrating the system with your power door locks, attack and motion sensors, interior ultrasonic surveillance detector, and antenna for improved remote operation and range. Warranty: 3 years.

Includes: Learning receiver, 3-channel remote with panic, passive/active arming, glass break sensor, starter disable, flashing light output (requires relay), LED status indicator, 116 dB siren.

Item #113KPC31 List Price: \$229

YOUR LOW PRICE: \$199

Dual Remote version #113KPC31A **\$249**

Shunt system will bypass any malfunctioning sensor, while maintaining the status of all other sensors. If your trunk is left ajar, for example, this system will, after a few cycles, elect to shut down that circuit rather than continuously sound the siren. When used with an optional Motion or Attack sensor, the Multiple Sensor Mode will reduce falsing by waiting for two sensors to be triggered before activating the siren. Other features include a built-in relay that flashes your parking lights, an output for a door lock module, arming buzzer output, variable door lock time, and an ignition event monitor. Accessories listed below. Warranty: 3 years.

Includes: Learning receiver, 4-channel remote with panic, glass break sensor, flashing lights circuit, starter disable, passive/active arming, LED indicator, 116 dB siren.

Item #113KPC41 List Price: \$329

YOUR LOW PRICE: \$279

Dual Remote version #113KPC41A **\$329**

alarm, or automatic arming (30 seconds after you exit the vehicle) if you happen to forget. You can also operate your trunk release and a second vehicle's alarm from the remote control. An ignition event monitor signals which sensor(s) have been triggered with a series of flashing LEDs. In addition to starter disable, Valet mode, and a flashing lights relay, the KPC-61 also includes built-in dome light surveillance, and horn and door lock/unlock relays. The door lock time is variable from 1-3 seconds—an important feature for cars with vacuum lock systems (like BMWs and Mercedes). Accessories listed below. Warranty: 3 years.

Includes: Learning receiver, 4-channel remote with panic, glass break sensor, flashing lights circuit, starter disable, passive/active arming, built-in relays for door locks/lights/horn/dome lights, LED indicator, arming buzzer output, 116 dB siren.

Item #113KPC61 List Price: \$399

YOUR LOW PRICE: \$349

Dual Remote version #113KPC61A **\$399**

Motion Sensor

Item #113CS500 **YOUR LOW PRICE: \$44**

Door Lock Module

Item #113CS200 **YOUR LOW PRICE: \$69**

Interior Surveillance Detector

Item #113CS530 **YOUR LOW PRICE: \$129**

Self-Powered, Rechargeable Back-up Siren

Item #113CS700 **YOUR LOW PRICE: \$79**

Dicon 9000 Security System

"Security on!"

That's the Dicon 9000's voice synthesizer telling you that your home is now protected by one of the most advanced home security systems available. At its heart is a microprocessor brain that comes complete with a voice and vocabulary. That's right, it talks. You communicate with the 9000 through the console keypad, and it responds in clear, polite English. It talks you through set-up and programming and tells you precisely where any trouble is.

The Dicon 9000 is a supervised system, providing professional-quality protection at a fraction of the cost. "Supervised" means every sensor in your house reports to the console on a regular basis. So the console always knows if a door or window is open, or if a battery is running low. Wireless FM transmitters (on your doors and windows, smoke detector, motion sensor, etc.) send specially-coded signals back to the console. Each transmission is a 16-bit digital message, repeated 32 times within 2 seconds, so false alarms are virtually eliminated.

Installation is easy, requiring no extra tools. The console tells you to select your 3-digit security code. Then it instructs you to plug each wireless transmitter module, one at a time, into the console for automatic programming. Through this programming process the console learns where your doors, windows and other sensors are located. Mount the housing for each transmitter with a couple of screws and plug the programmed transmitter module into the housing. That's it. There are no mechanical code wheels or dip switches to adjust. Change codes as often as you like.

Next, the Dicon 9000 asks you to punch in the phone numbers so the built-in dialer can make the appropriate call for each type of emergency. You can enter as many as eight phone numbers (local or long distance), in any sequence, to cover every possible form of emergency. Besides the obvious choices such as police and fire department, you could key in the number for your physician, or a nearby friend or relative who could help.

At the next prompt, you're asked to record your outgoing emergency phone message. Then just connect the console to a standard telephone jack. Mount the



**Free
Monitoring
Service
For 1 Year**

external speaker/siren in a central location (a cold-air return duct is ideal, allowing you to startle intruders as well as hear the console voice throughout the house). You've just installed the basic system.

And using the 9000 is just as easy. When you leave the house, simply punch in your 3-digit security code. The system announces "Security on, delay," waits for you to leave and close the door, then says "Security on!" When you return, just disarm the system within the programmed delay period (1 to 45 seconds), after which you'll hear "Security off." If a sensor had been triggered, the system would tell you exactly what happened and where. Problems such as a low battery will cause a Trouble Light to flash. Press the keypad and a voice response will pinpoint the problem.

The Dicon 9000 is not only smart, but versatile, too. The Master System alone offers affordable supervised perimeter protection. But by adding other Dicon accessories you can customize the system to suit your particular needs. Some of the most popular add-on options include a pet-compatible motion detector, an advanced ionization-type smoke detector, and an emergency pendant you can carry with you around the house (ideal for the elderly, ill, or disabled). A handy wireless remote gives you full-function system control away from the console. If, for example, you've placed the console in an upstairs bedroom, you can mount the remote near your front door for more convenient arming and disarming.

For just \$12.50 a month, you get the added peace of mind of Dicon's Emergency Response Service. Dicon's trained professionals monitor your system 24 hours a day, 365 days a year. They'll contact your local police, fire department or rescue

squad as directed by your system.

We've searched high and low and the Dicon 9000 is still the only do-it-yourself system that provides true state-of-the-art protection. You not only save big bucks over comparably-featured hard-wired systems, but you keep on saving with the 5% to 10% discount on your home-owner's insurance (check with your insurance agent for exact details). The Dicon 9000 console has a 2-year warranty; accessories 1-year.

D9000 Master System Includes the console with built-in telephone dialer, external speaker/siren, and two K901 door/window switches with Autocode Transmitters.

Item #031D9000 List Price: \$650

YOUR LOW PRICE: \$499

M901 Infrared Motion Detector with Autocode Transmitter Pet-compatible, with 9 sensing cones to protect up to 30 feet away, 160 degrees wide.

Item #031M901 **YOUR LOW PRICE: \$119**

R901 Remote Control with Autocode Transmitter Full-function control with fire, security, & medical panic buttons. Wall mountable.

Item #031R901 **YOUR PRICE: \$99**

Dicon 9000 System Package Includes the D9000 Master System, M901 Infrared Motion Detector, and R901 Remote Control. All at a system discount price.

Item #700DICON **YOUR PRICE: \$699**

K901 Door / Window Switch with Autocode Transmitter

Item #031K901 **YOUR PRICE: \$44**

K902 Additional Door / Window Switch for use with K901.

Item #031K902 **YOUR PRICE: \$18**

F902 Smoke Alarm with Autocode Transmitter

Item #031F902 **YOUR PRICE: \$69**

E901 Emergency Pendant with Autocode Transmitter

Item #031E901 **YOUR PRICE: \$59**

H901 Freezer Sensor with Autocode Transmitter Detects rising temperature inside a freezer, triggers above 15 degrees F.

Item #031H901 **YOUR PRICE: \$89**

H903 Water Sensor with Autocode Transmitter Detects presence of water.

Item #031H903 **YOUR PRICE: \$59**

P902 Rechargeable 24-hour Battery Backup

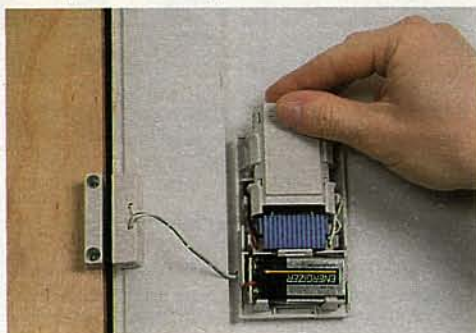
Item #031P902 **YOUR PRICE: \$119**

S903 Smart Outdoor Horn

Item #031S903 **YOUR PRICE: \$99**



Each transmitter module plugs into the main console for automatic programming.



The transmitter module then plugs into the housing.



X-10 HS-9000 Security System **NEW**

X-10 makes securing your home incredibly easy with the HS-9000. No wiring is necessary—it simply plugs in, so you'll have the system installed in minutes! The HS-9000 includes 3 door/window sensors, an infrared motion detector, base receiver, a piercing 110 dB remote siren, lamp module, and remote control. Set-up is simple. There are no codes to punch or switches to set—each sensor automatically sets its own code. When one of the sensors is tripped, a radio signal is sent to the base receiver, which in turn sounds the remote siren and flashes any light connected to the lamp module. With both audible and visual alarms, chances are an intruder won't hang around! You can arm or disarm the system

with the press of a single button on the handy remote control, and a back-up battery ensures that the system will work even in times of power outage. Up to 16 doors/windows can be protected with additional sensors, and the HS-9000's included remote light control lets you add lamp and appliance modules for up to 16 lights and appliances. You'll be able to operate the modules from anywhere inside or outside your home, and even dim and brighten your lights with the remote! And the HS-9000 is a supervised system, so it maintains a "self-check" and keeps you informed of each sensor's operating status (on/off/problem). The base receiver has a built-in chime that you can set to sound when a sensor is tripped—even when the system is off! And the HS-9000 is compatible with all X-10 products, so you can enjoy complete home automation and security. 3 window decals and 10 batteries included. One year warranty.

Item #009HS9000 List Price: \$280 **YOUR LOW PRICE: \$199**

Additional Door/Window Sensor #009DW534

YOUR LOW PRICE: \$19

Additional Motion Detector #009SP554

YOUR LOW PRICE: \$49

X-10 KF-574 Mini Remote Control **NEW**

If you're protecting your home with the HS-9000 Security System, you'll want to equip each member of your family with a keychain remote control. It provides arming and disarming of the system, turns lights on and off, and includes a panic feature to instantly trigger the alarm. Up to 8 remotes can be used with the HS-9000. Alkaline battery included. Dim: 2½"H x 1½"W x ½"D.

Item #009KF574 **YOUR LOW PRICE: \$19** (not pictured)

X-10 Home Automation

By creating the illusion that someone is home (via timer-controlled lamps), you can avoid many would-be burglaries. The sophisticated X-10 System eliminates the need for multiple timers by using your house wiring and a remote module to control practically every electrical device in your home! And installation is a breeze: you simply plug a controller into an AC outlet, and plug a remote module into any AC outlet in your home. You can also replace an existing wall switch with an X-10 wall switch module for remote control of ceiling lights and outdoor lights! All X-10 products are listed by Underwriters Laboratories and include a one year warranty. Controllers and modules required.

X-10 Maxi Controller

Controls up to 16 lights or appliances. You can dim and brighten each light by holding down a button, and turn on or off all controlled devices with one touch.

Item #009SC503 **YOUR LOW PRICE: \$19**



X-10 Home Automation Interface

For personal computers, a controller and software kit for programming up to 128 timed events with up to 256 remote modules! It has its own memory, so it won't tie up your PC. For IBM-compatible Item #009CP290P **\$49**
For Macintosh Item #009CP290M **\$49**

X-10 Wireless Remote Controller

With this radio-frequency remote, you can operate house lights from as far away as your driveway.

Item #009RC5000

YOUR PRICE: \$39

Additional Remote

Item #009RT504 **YOUR LOW PRICE: \$19**

X-10 Automatic Controller/Timer

A digital alarm clock with automatic on/off control for four X-10 modules. Select the Daily mode for the same on/off times each day, the Once mode for a single event, or the Security mode for variable on/off times each day. Also provides manual control for a total of 8 modules.

Item #009MT522 **YOUR LOW PRICE: \$24**



Lamp Module

Turn on, off and dim by remote control. Rated for incandescent lights up to 300 watts.

Item #009LM465
YOUR PRICE: \$12



2-pin Appliance Module

Controls your TV, stereo, or other appliances with standard 2-prong plugs. Rated up to 15 amps, ½ horsepower for motors, 500 watts for lamps.

Item #009AM486 **YOUR LOW PRICE: \$12**

3-pin Appliance Module

Same as above, but for 3-prong appliances.
Item #009AM466 **YOUR LOW PRICE: \$13**

Wall Switch Module

Easy 2-wire hookup for on/off and dimming of incandescent lights, up to 500 watts.

Item #009WS467 **YOUR LOW PRICE: \$12**

3-way Wall Switch Module

For lights operated by two switches. Includes replacement modules for both switches.

Item #009WS4777 **YOUR LOW PRICE: \$16**

Split Receptacle Module

Added to a wall outlet, top outlet is controlled and bottom outlet is not. Accepts 2- or 3-prong plugs for any device up to 15 amps.

Item #009SR227 **YOUR LOW PRICE: \$16**

Dual Floodlight Motion Detector **NEW**

More than just a motion-detecting floodlight, the PR511 includes a control panel for operating up to four X-10 lamp or appliance modules when motion is detected, and turning on up to four X-10 lamp modules at dusk (and off at dawn)! You can choose nighttime-only or 24-hour sensing, and a variable time delay (6 seconds-30 minutes) lets you select how long you want lights to remain on after motion is detected. The PR511 will replace any existing floodlight fixture, or it can be mounted in a new location. And its range is adjustable so you can avoid triggering by pets and other small animals. Also controllable from an X-10 Controller.

Item #009PR511 **YOUR LOW PRICE: \$49**

Remote Chime **NEW**

When used with X-10's Dual Floodlight Motion Detector, the Remote Chime provides an audible alert inside your home when someone approaches. It can also be programmed as a wake-up alarm or hourly chime when used with an X-10 Mini Timer or Computer Interface. And it's controllable from an X-10 Controller, so it makes a great pager!

Item #009SC546 **YOUR LOW PRICE: \$19**

Home Audio



Tim Freeman
Audio/Video
Merchandising Manager

It's simply amazing how technology has improved the sound of music. In just the past few years, digital technology has revolutionized the way we listen. With a Compact Disc player, now everyone can enjoy the full range of music, from powerful bass to shimmering highs. And new speaker driver materials make it possible to extract more musical details than you've ever heard before.

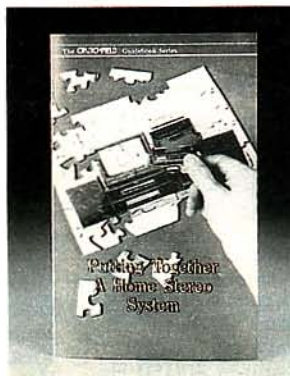
To get the most out of your system, you need a good foundation: the receiver. The receiver you choose to build your system around helps determine exactly what you will and won't be able to do. In one unit, a receiver combines an AM/FM tuner, all the system controls, and the amplifier that helps turn the information on a disc or tape into music. Because it plays such a key role in your system, it's important that you choose the right receiver.

To help you sort through the array of what's available, let's take a look at the most important features. (As always, one of our helpful Sales Advisors is just a toll-free call away if you want more information.)

- **Remote Control**—More than just a convenient way to operate your receiver, a fully-integrated remote will also control a same-brand CD player, cassette deck, VCR, TV, and more. Models with "smart" remotes can learn to control other brands of components. With a good remote control, you've got your whole home entertainment system in the palm of your hand.
- **Audio/Video System Control**—Most full-featured receivers let you combine your audio and video components into one system. For example, you can enjoy movies in VHS HiFi through your stereo system, instead of your TV's little speakers. You can easily copy audio from deck-to-deck, and video from VCR-to-VCR.
- **Front-panel Video Inputs**—If you're a camcorder enthusiast, and your TV is hooked-up to your receiver, having connections right on the front of the receiver makes it easier to play back your videos. Great for taking advantage of the video editing features on many A/V receivers.
- **Digital Tuning**—All of our receivers now have digital frequency synthesis tuners, for locking onto stations with greater precision. This microprocessor-controlled system also provides a vast array of convenience features like one-touch station memories, direct-access tuning, station indexing (to select a group by type, such as all the Rock stations or just Classical stations), automatic station scanning, and more.
- **Graphic Equalizer**—Many receivers have built-in equalizers with five or seven bands for pinpoint tone-control.

You can custom-tailor the sound to your personal tastes. A few of the top models include memories for your custom settings, plus pre-programmed settings for different types of music.

- **Dolby Surround Sound**—To enjoy the dazzling sound effects you hear in the theater, you can use a Dolby Surround decoder to capture the surround information that's present on movie soundtracks. You'll need front and rear speakers and a HiFi VCR hooked up to your receiver and TV to extract the Dolby Surround information on the movies you rent. See page 74 for more information.
- **Dolby Pro Logic**—This more-sophisticated Dolby Surround system offers better front-to-rear channel separation and a separate center channel, so the dialogue seems to come from your TV screen. You learn more about Pro Logic on page 74.
- **Rear- and Center-Channel Amplification**—For building your Home Theater system, additional amplifiers are built into many receivers for driving your rear-channel surround speakers and for a center channel speaker. Because the surround effects are at a much lower volume level, these amplifiers don't need to be as powerful as your main front channels.
- **DSP: Digital Signal Processing**—The very latest technology opens a new world of sonic possibilities. Receivers with DSP can convert all input signals to digital (not just CD or DAT), allowing you almost unlimited control of the sound. Tone control, parametric equalization, subsonic and ultrasonic filtering, dynamic range compression and expansion, and surround sound are all performed digitally! And many different Digital Sound-Fields are available to re-create the sonic effects of a theater, jazz club, stadium, etc.



style, so you don't have to be an electronics expert to learn the essentials.

Would you like to learn more about home stereo? Just ask for our free booklet "Putting Together A Home Stereo System." We explain the basics about Receivers, CD Players, Cassette Decks, Loudspeakers, and Home Theater. It's written in an easy-to-read

How much power do you really need?

Your listening preferences dictate how much power you should look for in a receiver. If your system will be used mostly for background music, you can easily get by with a receiver that puts out 40 to 60 watts per channel. On the other hand, if you like to crank up the volume it's safer to buy a more powerful model, in the 80 to 120 watt range.

Receivers with Dolby Pro Logic surround sound include additional power for the rear channels and usually for a center dialogue channel. Since the surround channels are always at a lower volume level than the main front channels, you don't need as much power for them. Usually 20 to 30 watts is fine.

It sounds ironic, but having too little power is more dangerous than having too much. What causes the most damage to speakers is an under-powered receiver putting out a "clipped" or distorted signal. (The term "clipping" refers to the fact that as an amplifier runs out of power, the signal peaks flatten out as if they were clipped off.) If your receiver has enough reserve power to handle all your listening habits, your speakers should never see a dangerous, clipped signal.

Other factors to weigh in determining your power requirements are the size of your listening room, the number of speakers you will be connecting, and the efficiency of your speakers. It obviously takes more power to fill a very large room than a very small one. If you want to drive speakers in more than one room, it's a good idea to plan on some extra power. Most receivers have outputs for two pairs of speakers, but they're wired internally so the power is divided between both pairs.

Before you spend more money than you need to, you should be aware of a few important facts about receiver power. First, even at louder than normal listening levels the continuous output of a receiver averages only a few watts. But, because music is characterized by sudden changes in signal level, you need the extra power to handle the peaks.

It's important to note that a 100 watt receiver will not play twice as loud as a 50 watt model. In fact, it takes ten times the power to double the sound level you hear. The main reasons for wanting additional power are to handle all your system requirements and to be sure you have the reserve power for life-like music.

Because your receiver serves as the control center for your entire system, it's important to choose a model with all the key features you'll need. You should have enough inputs for all the components you'll ever want in your system: a CD player, 1 or 2 cassette decks, DAT deck, 1 or 2 VCRs, a video disc player, easily-accessible inputs for a camcorder, etc. If you buy more versatility today, you won't have to replace your

receiver when you want to expand your system tomorrow.

As with anything you buy from Crutchfield, we'll be happy to answer any questions you may have. When you call toll-free you'll talk with an expert, carefully trained to help you find the right equipment. Since we back everything with the Crutchfield 30-day Total Satisfaction Guarantee, you don't have to worry about

being pressured into buying more than you really need or a particular model the dealer wants to push.

We'll spend time talking with you, learning about your needs and personal preferences, before we make a recommendation. And, if you have any questions after you receive your new components, our staff of technical experts will always be available to you, toll-free, 7 days a week.

Have you heard Surround Sound?

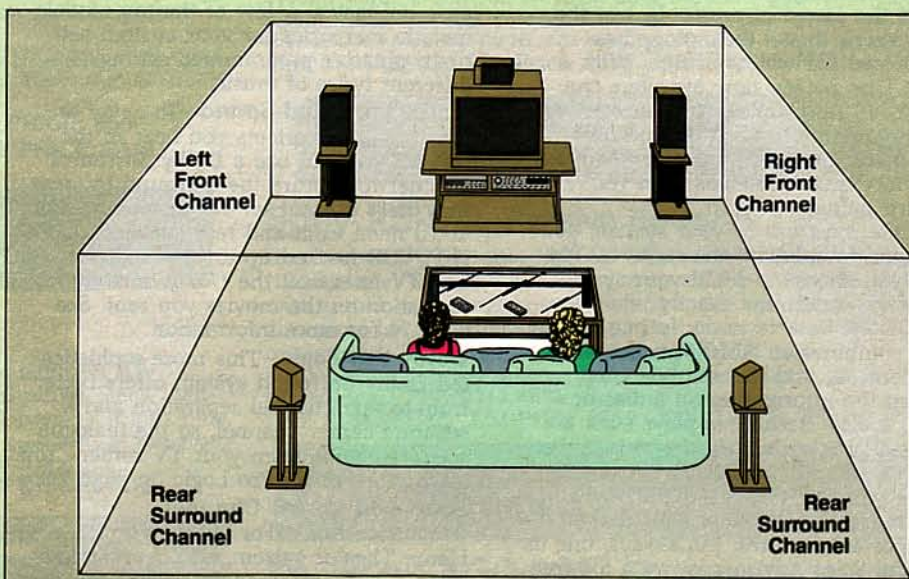
Without question, the hottest receiver feature today is Surround Sound. If you've been to a movie in the past 12 years or so, do you remember the experience? Being right there, in the middle of the action. Jets zooming overhead. Explosions to the left, right...in front of you and behind. Cars whizzing by. Even the subtle sounds of the environment. When they're happening all around you, the live-action sound effects make the movie seem so much more real.

You don't have to go to a theater and pay five bucks to get the full impact of Surround Sound. All you need is a Dolby Surround system at home. It's built right into many of the new audio/video receivers. Here's how it works.

Over 2,300 recent movies have soundtracks that were recorded in Dolby Stereo. All these movies have four separate channels encoded on the stereo soundtrack. When a video tape copy of the movie is made, that hidden information is also copied. When the movie is broadcast in stereo on network or cable TV, that hidden information is broadcast too. And a growing number of network TV shows and sporting events are broadcast in Dolby Surround. Now, here's the good part. With a Dolby Surround decoder in your system, you can recapture all that excitement that's just waiting to be heard.

The Dolby encoding system allows for left and right channels (just like conventional stereo), plus a rear channel for the time-delayed surround effects, and a center channel used primarily for on-screen dialogue.

There are two decoder systems available: conventional Dolby Surround and the more advanced Pro Logic. The econom-



To capture the movie theater experience, a Dolby Surround decoder lets you hear separate left, right, and rear-channel sounds. The advanced Pro Logic system adds a center channel for dialog and greater channel separation.

ical Dolby Surround system can decode the left, right, and rear-channel information (but not the center channel) to recapture the front-to-back sound dimension. If you want the total effect, including the center channel, you'll need a Pro Logic decoder. The Pro Logic system uses sophisticated "adaptive matrix" circuitry to steer the dominant sound to the proper channel, while reducing the level of the other three channels. The result is much greater channel separation (from as little as 3dB for the conventional system to 25 dB for Pro Logic!) and a much more precise surround effect.

To get in on all the action, you can choose a receiver with Dolby Surround or Pro Logic. Or you can use one of our

add-on decoders in your present stereo system. You'll need a small pair of speakers for the rear channels, which will be powered by the receiver or add-on decoder. For a Pro Logic setup, you may be able to use the speakers built into your TV, if inputs are provided. Or you may have to add a center speaker.

You don't have to buy expensive, full-range speakers for the rear surround channels because the sound levels are much lower than the front channels, and the frequency response is limited (from about 100 Hz to 7 kHz). It takes just a little surround sound to have a big impact. This means small speakers mounted on the rear wall work great.

AudioSource SS-3 Dolby Pro-Logic Surround Processor

Here's an easy way to add the magic of Dolby Pro-Logic to your present system. The SS-3 creates a home cinema atmosphere by decoding video soundtracks into four separate outputs (left, center, right, and surround).

The built-in Test mode makes it easy to set up. The on-board 60 watt amplifier powers your rear surround speakers and a center channel (you may be able to use your TV's speakers, if it has audio inputs.) A "Phantom" mode is provided, if you don't have a center channel speaker. There's even a subwoofer output (with a built-in 80/150 Hz crossover) for use with a self-powered subwoofer. For non-Dolby programs, you can choose Hall or Matrix surround, with variable digital delay. To top it all off, a handy remote control puts all of these features right at your fingertips. Dimensions: 16 1/2" W x 2 1/8" H x 9 1/4" D. Warranty: 1 year.

Item #021SS3 List Price: \$400 **YOUR LOW PRICE: \$299**



AudioSource VS-One Center Channel Speaker

An idea whose time has come, the VS-One is the perfect addition to your Dolby Pro Logic surround system.

For the crucial center channel information, this easily-affordable speaker fits right on top of or beside your TV. Now, the voices can appear to come from the screen, where they are supposed to be. The slim VS-One uses dual 4" woofers and a separate 1" dome tweeter for full sound. Dimensions: 13 1/4" W x 5 1/8" H x 5 1/2" D. Warranty: 1 year.

Item #021VS1 List: \$120 **YOUR LOW PRICE: \$99**



Audio Tape Inputs— A tape deck connected to a tape input loop can record any signal going through the receiver. Two tape inputs make it easier to copy from one deck to another, or add an equalizer or processor.

Built-In Rear Channel Amp— Many receivers have extra amplification to drive a pair of surround speakers. Certain models split the output between main and surround speakers.

FM Alternate Channel Selectivity— Indicates how well stations are pulled in while strong

stations nearby on the dial are rejected.

FM Sensitivity— FM Sensitivity measures just how strong signals need to be for the tuner to receive them. The lower the value the better.

High-speed Vari-bias Amplifier— Special circuitry for smoother sound with lower distortion (it dynamically adapts to demand).

Preamp Input/Output Loop— This feature increases versatility when connecting outboard signal processors.

Signal-to-Noise Ratio— Indicates accuracy of the amplifier section. A larger value in dB means a quieter amplifier.

Surround Sound— Built-in circuitry has outputs for two rear-channel speakers which play time-delayed signals that create the surround effect.

Total Harmonic Distortion (THD)— Indicates how strong internally-generated harmonics (frequency multiples) are when a test signal is fed in. A lower THD means an amplifier is more accurate.

Receiver Features

	# Memory Presets	Preset Scan	Audio Tape Inputs	High-speed Vari-bias Amplifier	Graphic Equalizer	Preamp Input/Output Loop	Surround Sound	Built-In Rear Channel Amp	Video Dubbing	Remote Control
JVC RX-305	40	no	2	no	no	no	no	no	no	yes
JVC RX-505V	40	no	2	no	7-band	no	Dolby	20 w/ch	yes	yes
JVC RX-705V	40	no	2	yes	7-band	no	Dolby Pro	20 w/ch	yes	yes
JVC RX-805V	40	no	2	yes	7-band	no	Dolby Pro	20 w/ch	yes	programmable
JVC RX-905V	40	no	2	yes	7-band	no	Dolby Pro	30 w/ch	yes	programmable
Kenwood KR-A4030	30	yes	1	no	no	no	no	no	no	no
Kenwood KR-A5030	30	yes	2	no	no	no	no	no	no	yes
Kenwood KR-V6030	30	yes	2	no	no	no	Dolby	15 w/ch	yes	yes
Kenwood KR-V7030	20	yes	2	no	no	no	Dolby Pro	15 w/ch	yes	yes
Kenwood KR-V8030	20	yes	2	no	no	no	Dolby Pro	15 w/ch	yes	yes
Kenwood KR-V9030	30	yes	2	no	no	no	Dolby Pro	20 w/ch	yes	programmable
Pioneer SX-1900	30	yes	2	no	5-band	no	no	no	no	no
Pioneer SX-2800	30	yes	2	no	5-band	no	no	no	no	no
Pioneer VSX-3800	30	yes	2	no	7-band	no	Dolby	18 w/ch	no	yes
Pioneer VSX-4800	30	yes	2	no	no	no	Dolby Pro	18 w/ch	yes	yes
Pioneer VSX-4900S	30	yes	2	no	no	no	Dolby Pro	18 w/ch	yes	programmable
Pioneer VSX-5900S	30	yes	2	no	no	yes	Dolby Pro	25 w/ch	yes	programmable
Pioneer VSX-9900S	30	yes	2	yes	no	yes	Dolby Pro	40 w/ch	yes	programmable
Proton AV-445	24	no	1	no	no	no	no	no	no	yes
Sony STR-AV270	30	no	1	no	no	no	matrix	no	no	no
Sony STR-AV570	30	no	1	no	no	no	matrix	no	no	yes
Sony STR-AV770	30	no	2	no	no	no	Dolby	20 w/ch	yes	yes
Sony STR-AV970	30	no	2	no	7-band	no	Dolby	30 w/ch	yes	yes
Sony STR-AV1070	30	no	2	no	7-band	yes	Dolby Pro	30 w/ch	yes	programmable
Sony STR-D2020	30	yes	2	no	parametric	no	Dolby Pro	15 w/ch	yes	programmable

Receiver Specifications

	Continuous Output Power, Watts	Rated Power Bandwidth, Hertz	Total Harmonic Distortion, %	FM Sensitivity, dBf	FM Selectivity, dB	Signal-to-Noise Ratio, dB	Dimensions	Warranty	List Price	Your Price
JVC RX-305	50 x 2	40-20,000	0.03	10.8	60	70	17 1/4"W x 5"H x 13"D	2 years	\$255	\$199
JVC RX-505V	80 x 2	20-20,000	0.03	10.8	60	71	17 1/4"W x 5"H x 13"D	2 years	\$380	\$299
JVC RX-705V	100 x 2	20-20,000	0.007	10.8	60	71	17 1/4"W x 5 1/2"H x 15"D	2 years	\$500	\$399
JVC RX-805V	100 x 2	20-20,000	0.007	10.8	60	71	17 1/4"W x 5 1/2"H x 15 1/2"D	2 years	\$630	\$499
JVC RX-905V	120 x 2	20-20,000	0.007	10.8	65	71	17 1/4"W x 6 1/4"H x 15 1/2"D	2 years	\$1100	\$899
Kenwood KR-A4030	50 x 2	40-20,000	0.09	10.8	53	77	17 3/4"W x 5 1/4"H x 11 1/4"D	2 years	\$229	\$169
Kenwood KR-A5030	80 x 2	20-20,000	0.09	10.8	53	77	17 3/4"W x 5 1/4"H x 13 1/4"D	2 years	\$299	\$219
Kenwood KR-V6030	100 x 2	20-20,000	0.06	10.8	53	78	17 3/4"W x 5 1/4"H x 15 1/4"D	2 years	\$399	\$299
Kenwood KR-V7030	100 x 2	20-20,000	0.06	10.8	53	78	17 3/4"W x 5 1/4"H x 15 1/4"D	2 years	\$499	\$399
Kenwood KR-V8030	120 x 2	20-20,000	0.06	10.8	53	78	17 3/4"W x 6 1/4"H x 16 1/4"D	2 years	\$599	\$499
Kenwood KR-V9030	130 x 2	20-20,000	0.03	10.8	53	78	17 3/4"W x 6 1/4"H x 16 1/4"D	2 years	\$979	\$799
Pioneer SX-1900	40 x 2	20-20,000	0.07	10.8	55	72	16 1/2"W x 4 3/4"H x 13 1/4"D	1 year	\$225	\$169
Pioneer SX-2800	65 x 2	20-20,000	0.07	10.8	55	72	16 1/2"W x 4 3/4"H x 13 1/4"D	1 year	\$260	\$199
Pioneer VSX-3800	100 x 2	20-20,000	0.05	10.8	55	72	16 1/2"W x 4 3/4"H x 13"D	1 year	\$400	\$299
Pioneer VSX-4800	100 x 2	20-20,000	0.05	10.8	65	72	16 1/2"W x 5"H x 15 1/2"D	1 year	\$520	\$399
Pioneer VSX-4900S	100 x 2	20-20,000	0.05	10.8	65	72	16 1/2"W x 5"H x 15 1/2"D	1 year	\$585	\$449
Pioneer VSX-5900S	105 x 2	20-20,000	0.008	10.8	65	82	16 1/2"W x 5"H x 15 1/2"D	1 year	\$750	\$599
Pioneer VSX-9900S	125 x 2	20-20,000	0.005	10.8	65	82	16 1/2"W x 6 3/4"H x 16 1/2"D	1 year	\$1120	\$899
Proton AV-445	50 x 2	20-20,000	0.02	10.4	na	85	17 1/2"W x 3 3/4"H x 13"D	2 years	\$400	\$379
Sony STR-AV270	40 x 2	40-20,000	0.8	11.2	60	74	17"W x 4 1/4"H x 11 1/4"D	2 years	\$210	\$169
Sony STR-AV570	60 x 2	40-20,000	0.8	11.2	60	74	17"W x 4 1/4"H x 11 1/4"D	2 years	\$240	\$199
Sony STR-AV770	80 x 2	20-20,000	0.08	11.2	60	74	17"W x 5 1/4"H x 14"D	2 years	\$350	\$299
Sony STR-AV970	100 x 2	20-20,000	0.03	11.2	60	79	17"W x 5 1/4"H x 14"D	2 years	\$480	\$399
Sony STR-AV1070	120 x 2	20-20,000	0.015	11.2	60	79	17"W x 5 1/4"H x 14"D	2 years	\$600	\$499
Sony STR-D2020	130 x 2	20-20,000	0.008	11.2'	65	82	17"W x 5 1/4"H x 14 1/4"D	3 years	\$1100	\$599

Sony STR-AV270 / STR-AV570 **NEW**

Get your system started off right with Sony high fidelity at an affordable price. The attractive STR-AV270 supplies a respectable 40 watts per channel—that's plenty of power for normal listening with small to mid-sized speakers. And it's versatile enough to control a complete system—a CD player, tape deck, turntable, and VCR sound. Its digital synthesis tuner offers a handy Direct Access keypad and 30 presets for storing your favorite stations. Switch on the Matrix surround circuitry for more spacious video sound, or Sony's Dynamic Bass Feedback System for enhanced bass response. If you like the convenience of remote control, choose the more powerful 60-watt-per-channel STR-AV570 (pictured).

Item #156AV270 List Price: \$210 **YOUR LOW PRICE: \$169**

Item #156AV570 List Price: \$240 **YOUR LOW PRICE: \$199**



Features: Direct Access tuning, 30 random AM/FM presets, Matrix surround sound, switchable Dynamic Bass Feedback, 4 audio inputs, 2 switchable pairs of speaker outputs. STR-AV570 adds more power, remote control, and motorized volume control. **Specifications:** 40 watts per channel into 8 ohms at 0.8% THD (STR-AV570 has 60 watts per channel), Usable FM Sensitivity 11.2 dBf. Dimensions: 17"W x 4 1/4"H x 11 1/4"D. Warranty: 2 years.

Sony STR-AV770 / STR-AV970 **NEW**

For breathtaking audio recordings and video soundtracks, Sony's impressive 80-watt-per-channel STR-AV770 offers Dolby Surround circuitry and a separate 20-watt amp for rear speakers. For system flexibility, 5 audio and 2 video inputs and full-function remote control are included. The sophisticated STR-AV970 (pictured) supplies 100 watts front and 30 watts for rear surround. Its Dolby Pro-Logic circuitry provides greater precision and realism. Three Digital SoundField settings and a 7-band EQ let you contour your sound just the way you like it. And the STR-AV970 is compatible with Sony's Dual Room Link system (Item #156RMS2070 \$149), which allows somebody in another part of your home to listen simultaneously, even to a different source!

Item #156AV770 List Price: \$350 **YOUR LOW PRICE: \$299**

Item #156AV970 List Price: \$480 **YOUR LOW PRICE: \$399**

Surround speakers (see p. 117) Item #113LSK06S \$69 pair



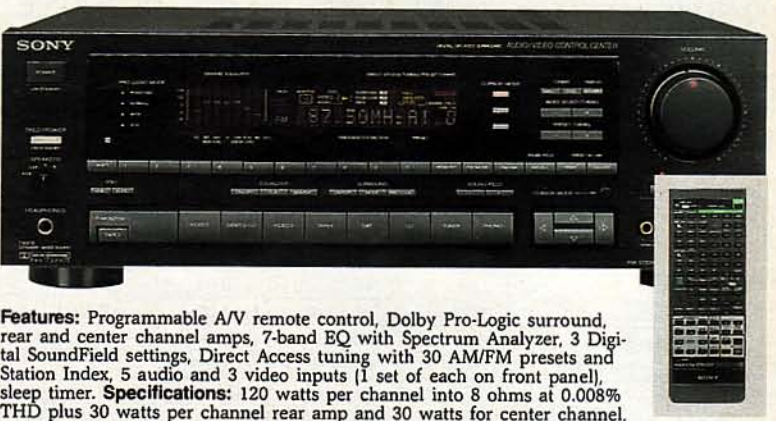
Features: Direct Access tuning, 30 random AM/FM presets and Station Index, Dolby Surround sound with digital delay, built-in rear channel amp, 5 audio and 2 video inputs, A/V remote control. STR-AV970 adds more power, 7-band EQ with Spectrum Analyzer, 3 Digital SoundField settings, sleep timer, full-function remote control. **Specifications:** 80 watts per channel into 8 ohms at 0.08% THD plus 20 watts per channel rear amp (100 watts per channel at 0.008% THD plus 30 watts per channel rear for STR-AV970), Usable FM Sensitivity 11.2 dBf. Dimensions: 17"W x 5 1/4"H x 14"D (STR-AV970 is 17"W x 5 1/4"H x 14"D). Warranty: 2 years.

Sony STR-AV1070 **NEW**

For total immersion in sound, the STR-AV1070 includes exciting 5-speaker Dolby Pro-Logic surround sound circuitry with 120 watts per channel for front speakers, 30 watts per channel to the rear speakers, and 30 watts dedicated to the center dialogue channel! Your video viewing will be even more realistic with voices and sounds emanating from their proper locations all around you. It also offers 3 digital SoundField settings for creating particular ambiances, and a 7-band graphic equalizer for tailoring the sound to your room's acoustics. The STR-AV1070 includes 5 audio and 3 video inputs, is Dual Room Link compatible (Item #156RMS2070 \$149), and it's topped off with a programmable audio/video remote control!

Item #156AV1070 List Price: \$600 **YOUR LOW PRICE: \$499**

Surround speakers (see p. 117) Item #113LSK06S \$69 pair



Features: Programmable A/V remote control, Dolby Pro-Logic surround, rear and center channel amps, 7-band EQ with Spectrum Analyzer, 3 Digital SoundField settings, Direct Access tuning with 30 AM/FM presets and Station Index, 5 audio and 3 video inputs (1 set of each on front panel), sleep timer. **Specifications:** 120 watts per channel into 8 ohms at 0.008% THD plus 30 watts per channel rear amp and 30 watts for center channel, Usable FM Sensitivity 11.2 dBf. Dimensions: 17"W x 5 1/4"H x 14"D. Warranty: 2 years.

Sony STR-D2020 **Special Purchase!**

No doubt about it, this is the receiver bargain of the year. Hundreds of our customers happily paid \$999 to enjoy the STR-D2020's awesome power and astounding digital signal processing (DSP) capabilities. Now, while our supplies last, you can bring it all home for just \$599! DSP takes incoming analog signals and converts them to digital information. You can then run the signal through the built-in parametric equalizer, or through any of the 10 digital Soundfield environments. One environment is reference-standard Dolby Pro Logic Surround, which makes videos explode off the screen in your living room. The STR-D2020 uses high quality discrete output transistors to deliver 130 watts per channel for main speakers and 15 watts/channel for surround speakers. The finishing touch is the programmable A/V remote. Our supplies are very limited. If you're interested, please call today so you don't miss out.

Item #156D2020 List Price: \$1100

SPECIAL PURCHASE PRICE: \$599

Surround speakers (see p. 117) Item #113LSK06S \$69 pair



Save \$501 off the list price!

Features: Digital Signal Processing (8-times oversampling, 18-bit D/A conversion), digital parametric equalizer, 20-band Spectrum Analyzer, Dolby Pro Logic Surround with digital delay and digital noise reduction, 10 digital Soundfield settings, 15 watts/channel rear amp, 5 audio and 3 video inputs (including S-video), optical digital inputs, Direct Access tuning with 30 presets, programmable A/V remote. **Specifications:** 130 watts per channel into 8 ohms at 0.008% THD plus 15 watts/channel rear, Usable FM Sensitivity 11.2 dBf. Dimensions: 17"W x 5 1/4"H x 14 1/4"D. Warranty: 3 years.

Kenwood KR-A4030 / KR-A5030

With a straightforward, "no frills" design and the performance you want, these inexpensive Kenwoods raise receiver basics to a new level. The handsome KR-A4030 delivers 50 watts per channel of honest power and has connections and front panel switching for two pairs of speakers. Its tuner functions include automatic and direct digital tuning, 30 station preset memories, and Preset Scan that makes finding your favorite stations a breeze. For listeners who like to pump up the volume, the KR-A5030 boosts the power to 80 watts per channel. And it adds the armchair convenience of wireless remote control!

Item #113KRA4030 List Price: \$229

YOUR LOW PRICE: \$169

Item #113KRA5030 List Price: \$299 (pictured)

YOUR LOW PRICE: \$219



Features: 20 FM/10 AM random presets with Preset Scan, connections for two pairs of speakers, 4 inputs, loudness switch. KR-A5030 adds more power, 2 tape inputs, wireless remote control. **Specifications:** 50 watts per channel into 8 ohms at 0.09% THD (80 watts per channel for KR-A5030), Usable FM Sensitivity 10.8 dBf. Dimensions: 17 1/4"W x 5 1/4"H x 11 1/4"D (KR-A5030 is 17 1/4"W x 5 1/4"H x 13 1/4"D). Warranty: 2 years.

Kenwood KR-V6030

Looking for a quality audio/video receiver that won't put a pinch on your purse? Check out the impressive KR-V6030. It packs 100 watts per channel of solid punch—plenty of power to tame even monstrous loudspeakers. Switch on Dolby Surround Sound with digital delay and dive right into the thick of video action. There's even a built-in 15-watts-per-channel amplifier for your surround sound speakers. You can preset up to 20 FM and 10 AM stations on the quartz-locked tuner, and sample your favorite stations at the press of a button. The KR-V6030's wireless remote control will put you in the director's chair as you settle in to enjoy your favorite recording or movie.

Item #113KRV6030 List Price: \$399

YOUR LOW PRICE: \$299

Surround speakers (see pg. 117) Item #113LSK06S \$69 pr.



Features: Dolby Surround Sound with digital delay, built-in rear channel amp, quartz synthesis tuning with 20 FM/10 AM random presets, Preset Scan, 2 video inputs and outputs, CD Direct switch, connections for 2 pairs of speakers, Audio Injection, remote control, motor-driven volume control. **Specifications:** 100 watts per channel into 8 ohms at 0.06% THD plus 15 watts per channel rear, Usable FM Sensitivity 10.8 dBf. Dimensions: 17 1/4"W x 5 1/4"H x 15 1/4"D. Warranty: 2 years.

Kenwood KR-V7030

The challenge: build an affordable A/V receiver with Dolby Pro-Logic Surround and amplifiers for front, rear and center channels. Kenwood's response: the remarkable KR-V7030. For under \$400, this receiver is one to get excited about! It supplies a hefty 100 watts per channel. And for video use, it dedicates 65 watts per channel for front and center channel speakers, and an additional 15 watts per channel for rear speakers. Digital delay lets you customize the sound to your room size and listening preferences. Four memory presets are available for storing your favorite Surround Sound settings. Its advanced tuner functions include 30 random AM/FM presets and the ability to assign call letters to 20 of your presets. This super deal is topped off with a remote control.

Item #113KRV7030 List Price: \$499

YOUR LOW PRICE: \$399

Surround speakers (see pg. 117) Item #113LSK06S \$69 pr.

**GOLD AWARD
OUTSTANDING VALUE**



Features: Dolby Pro-Logic Surround Sound with digital delay, 4 Surround Sound memory presets, rear channel amp, 30 AM/FM presets, 2 video inputs and outputs, CD Direct switch, Line Straight switch, remote control, motor-driven volume control. **Specifications:** 100 watts per channel into 8 ohms at 0.06% THD (65 watts per channel for front and center channels in Surround mode) plus 15 watts per channel rear, Usable FM Sensitivity 10.8 dBf. Dimensions: 17 1/4"W x 5 1/4"H x 15 1/4"D. Warranty: 2 years.

Kenwood KR-V8030 / KR-V9030

Stand back and give these two Kenwoods room to flex. The KR-V8030 includes Dolby Pro-Logic Surround, with 120 watts per channel, or 75 watts per channel to front and center speakers, and 15 watts per channel for rear speakers. Digital delay and 4 Surround Sound preset memories add up to an exciting audio/video experience. It also includes 30 random preset stations, 2 video inputs and outputs, and a remote control. The KR-V9030 uses Kenwood's Digital Signal Processing circuitry to re-create the soundfields of an arena, jazz club, concert hall and more. In addition, you get 6 Surround Sound preset memories, and a programmable remote control!

Item #113KRV8030 List Price: \$599

YOUR LOW PRICE: \$499

Item #113KRV9030 List Price: \$979 (pictured)

YOUR LOW PRICE: \$799

Surround speakers (see pg. 117) Item #113LSK06S \$69 pr.

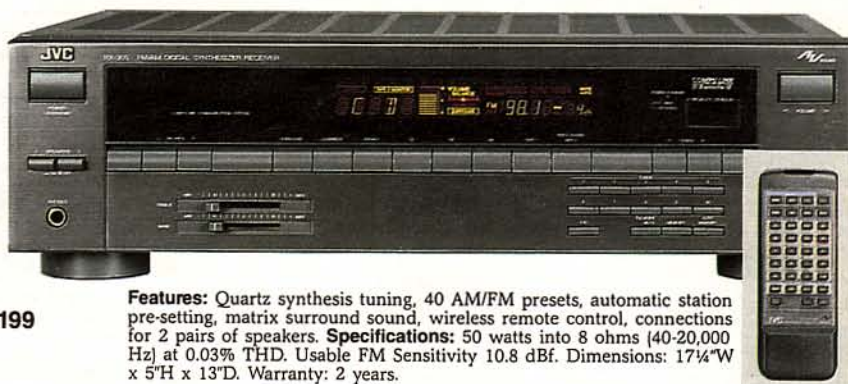


Features: Dolby Pro-Logic Surround Sound with digital delay, 4 Surround Sound memory presets, 30 random AM/FM tuner presets, SNPS, 2 video inputs and outputs, CD Direct switch, Line Straight switch, audio injection, remote control. The KR-V9030 adds more power, Digital Signal Processing, 6 Surround Sound memory presets, 3 video inputs and outputs, programmable remote control. **Specifications:** 120 watts per channel into 8 ohms at 0.06% THD (75 watts per channel front and center in Surround mode) plus 15 watts per channel (130 watts per channel or 75 front/75 center in Surround for KR-V9030), Usable FM Sensitivity 10.8 dBf. Dim: 17 1/4"W x 6 1/4"H x 16 1/4"D. Warranty: 2 years.

JVC RX-305

For a low-priced quality receiver without a lot of "bells and whistles" you don't have to look any further than here. JVC's new titanium-finish RX-305 is easy to understand and to use. It's also one of the most powerful amps in its class, boasting 50 watts per channel. The digital tuner is capable of storing up to 40 AM/FM stations in memory. As a centerpiece for a complete audio system, the RX-305 provides inputs for phono, compact disc player, two tape decks (or one tape deck and video sound). The wireless remote that's included controls all major functions, including power on and off.

Item #111RX305 List Price: \$255 **YOUR LOW PRICE: \$199**



Features: Quartz synthesis tuning, 40 AM/FM presets, automatic station pre-setting, matrix surround sound, wireless remote control, connections for 2 pairs of speakers. **Specifications:** 50 watts into 8 ohms (40-20,000 Hz) at 0.03% THD. Usable FM Sensitivity 10.8 dBf. Dimensions: 17 1/4" W x 5" H x 13"D. Warranty: 2 years.

JVC RX-505V

If you're building an entry-level system and have a Hi-Fi VCR, the RX-505V is the receiver to get. An audio/video receiver with two video inputs, the RX-505V features a built-in Dolby Surround Sound decoder and a 4-channel amp to drive both your main (front) speakers and the rear (surround) speakers with power to spare. A 7-band electronic equalizer lets you shape the sound, and JVC's Compu-Link Source-Related Presetting lets you set the acoustic parameters (like EQ settings, volume, etc.) for each input source just once and have them automatically recalled whenever you use that source again. The titanium finish blends well with other component styles and finishes.

Item #111RX505V List Price: \$380 **YOUR LOW PRICE: \$299**

Surround speakers (see pg. 117) Item #113LSK06S \$69 pair



Features: Dolby Surround Sound with digital delay, A/V remote control, quartz synthesis tuning, 40 AM/FM presets with station name display, 7-band electronic equalizer, Compu-Link Source-Related Presetting. **Specifications:** 80 watts per channel (main speakers) into 8 ohms (20-20,000 Hz) at 0.03% THD, 20 watts per channel rear speakers. Usable FM sensitivity 10.8 dBf. Dimensions: 17 1/4" W x 5" H x 13"D. Warranty: 2 years.

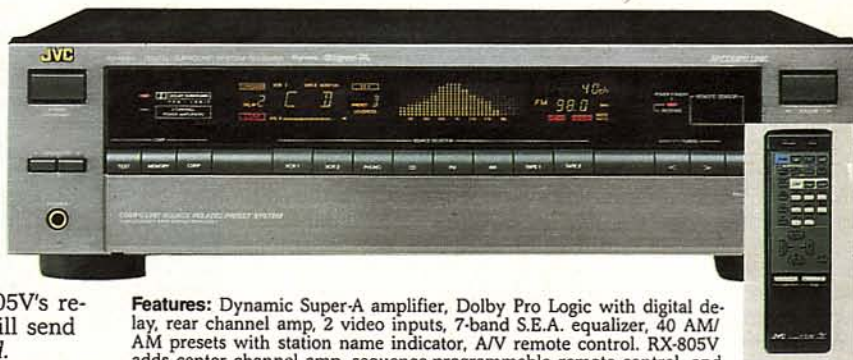
JVC RX-705V / RX-805V

These two JVC models bring you the ultimate audio/video sensation—Dolby Pro Logic. That means there's a separate center channel for more realistic dialogue, as well as an enhanced directionality to sound effects for a true theater-like experience. The power at the heart of these receivers is JVC's Dynamic Super-A amp that delivers greater dynamic power and lower distortion levels. The RX-805V saves you money and space on a Pro Logic system because it comes with a 50-watt center channel amp built-in, so there's no additional amp to buy or set up. All controls (except the most frequently used) are hidden behind a drop-down panel. The RX-805V's remote control can be set up so that pressing one button will send out an entire sequence of commands. *RX-805V is pictured.*

Item #111RX705V List Price: \$500 **YOUR LOW PRICE: \$399**

Item #111RX805V List Price: \$630 **YOUR LOW PRICE: \$499**

Surround speakers (see pg. 117) Item #113LSK06S \$69 pair



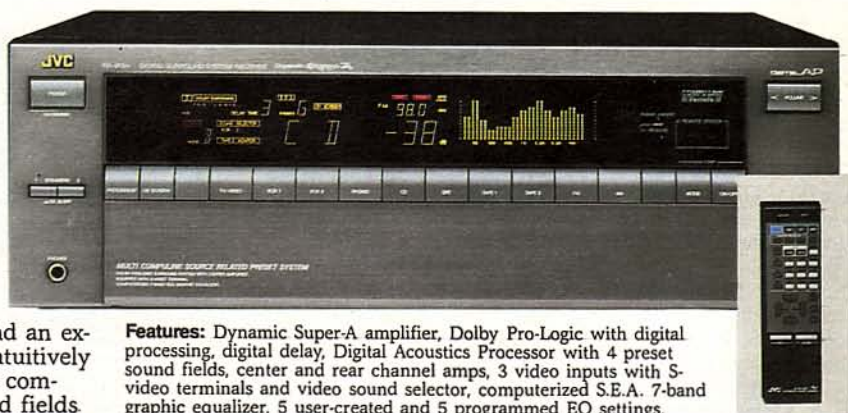
Features: Dynamic Super-A amplifier, Dolby Pro Logic with digital delay, rear channel amp, 2 video inputs, 7-band S.E.A. equalizer, 40 AM/AM presets with station name indicator, A/V remote control. RX-805V adds center channel amp, sequence-programmable remote control, and drop-down panel. **Specifications:** 100 watts per channel into 8 ohms (20-20,000 Hz) at 0.007% THD, 20 watt per channel surround amp. (RX-805V adds 50 watt center channel amp.) Usable FM Sensitivity 10.8 dBf. Dimensions: 17 1/4" W x 5 1/4" H x 15"D. Warranty: 2 years.

JVC RX-905V **NEW**

JVC's designers have outdone themselves! Their top-of-the-line RX-905V offers thrilling Dolby-Pro Logic surround with digital processing for exceptionally low noise and distortion, and an amplifier section that's unmatched for silky-smooth dynamic power. One of the most sensibly-designed A/V receivers we've seen, it supplies 120 watts per channel to main speakers, and balances the surround channels proportionally with 70 watts for center dialogue and 30 watts per channel for the rear. And its programmable remote has two control panels—an internal one for learning over 100 functions, and an external panel with simplified multi-function keys that are intuitively easy to use. You can precisely contour the sound with the computerized 7-band graphic equalizer, or create realistic sound fields like a spacious stadium or intimate club setting with the Digital Acoustics Processor.

Item #111RX905V List Price: \$1100 **YOUR LOW PRICE: \$899**

Surround Speakers (see pg. 117) Item #113LSK06S \$69 pair



Features: Dynamic Super-A amplifier, Dolby Pro-Logic with digital processing, digital delay, Digital Acoustics Processor with 4 preset sound fields, center and rear channel amps, 3 video inputs with S-video terminals and video sound selector, computerized S.E.A. 7-band graphic equalizer, 5 user-created and 5 programmed EQ settings, swing-down control panel cover, 40 AM/FM presets with station name indicator, programmable remote control, subwoofer output, A/V Compu-Link Control System. **Specifications:** 120 watts per channel into 8 ohms (20-20,000 Hz) at 0.007% THD plus 70 watts for center channel and 30 watts per channel rear, Usable FM Sensitivity 10.8 dBf. Dimensions: 17 1/4" W x 6 1/4" H x 15 1/2" D. Warranty: 2 years.

Pioneer SX-1900 / SX-2800

If you're building your first system, consider one of these affordable Pioneer receivers. They have the power and features to get you started right. The tuner has excellent sensitivity, Direct Access Tuning, and 30 random station presets. You have plenty of flexibility for now and the future, with inputs for a CD player, turntable, 2 tape decks, and VCR sound. There are outputs and front panel selectors for two pairs of speakers. And both models provide the signal-shaping convenience of a 5-band graphic equalizer. The SX-1900 has 40 watts per channel, while the SX-2800 pumps out 65 watts per channel and adds Auto Tuning and Memory Scan. *SX-1900 is pictured.*

Item #130SX1900 List Price: \$225 **YOUR LOW PRICE: \$169**

Item #130SX2800 List Price: \$260 **YOUR LOW PRICE: \$199**

Pioneer VSX-3800 / VSX-4800 **NEW**

Budget-minded audio/video enthusiasts—these Pioneers are for you! The economical VSX-3800 includes Dolby Surround Sound circuitry with adjustable delay and a 7-band graphic equalizer. It packs plenty of muscle with a hefty 100-watts-per-channel main amp and an additional 18 watts per channel for surround speakers. 3 audio and 2 video inputs are supplied, and you'll enjoy other great features like Custom Memory AM/FM tuning with 30 station presets, sleep timer with auto dimmer, and a full-function remote control. The VSX-4800's Dolby Pro-Logic Surround and added 18 watts for center channel will wrap you in video sound with extraordinary realism. *VSX-4800 is pictured.*

Item #130VSX3800 List Price: \$400 **NEW LOW PRICE: \$299**

Item #130VSX4800 List Price: \$520 **YOUR LOW PRICE: \$399**

Surround speakers (see p. 117) Item #113LSK06S \$69 pair

Pioneer VSX-4900S / VSX-5900S **NEW**

These Pioneer A/V receivers will transport you to new sonic heights with Dolby Pro-Logic Surround. By decoding video soundtracks into four distinct channels, you're centered right in the thick of the action! The VSX-4900S delivers 100 watts per channel to the front, and 18 watts each for rear and center channels. A programmable remote gives you total system control, and 4 audio & 3 video inputs give you flexibility and video dubbing capability. The VSX-5900S offers 105 watts per channel for front and 25 watts each for rear and center channels. What's more, you can add more power with its preamp output/power amp input terminals for front, rear and center channels! You also gain an extra audio and video input and five presets for storing preferred SoundField settings. *VSX-5900S is pictured.*

Item #130VSX4900 List Price: \$585 **YOUR LOW PRICE: \$449**

Item #130VSX5900 List Price: \$750 **YOUR LOW PRICE: \$599**

Surround Speakers (see p. 117) Item #113LSK06S \$69 pair

Pioneer VSX-9900S **NEW**

With a built-in Digital Signal Processor, the VSX-9900S is as much fun to operate as it is to listen to. DSP converts all audio signals into digital data, processes them in the digital domain, then changes the signals back into analog by a D/A converter. That might sound like magic, but the real result is incredible signal quality free of degradation. The VSX-9900S is pure digital enjoyment with Dolby Pro-Logic Surround, adjustable delay, 5 digitally simulated sound fields (Jazz, Dance, Church, Hall, and Theater), and a Jog dial to adjust effects with digital precision. It includes 125 watts per channel for main speakers, and 40 watts per channel for surround and center channel speakers. And it's versatile, with 6 video inputs (including S-video) and 5 audio inputs. It even provides an output for direct connection to a self-powered subwoofer. Other exciting features include a split-screen video enhancer and programmable remote control!

Item #130VSX9900 List Price: \$1120 **YOUR LOW PRICE: \$899**

Surround Speakers (see p. 117) Item #113LSK06S \$69 pair



Features: Quartz synthesis tuning, 30 AM/FM presets, Direct Access Tuning, Custom Memory, 5-band graphic equalizer, tape monitor. *SX-2800 adds more power, Auto Tuning, Memory Scan. Specifications:* 40 watts per channel (65 watts per channel for *SX-2800*) into 8 ohms (20-20,000 Hz), THD 0.07%, FM Sensitivity 10.8 dBf. Dimensions: 16"W x 4 3/4"H x 13 1/4"D. Warranty: 1 year.



Features: 30 AM/FM random presets, preset Memory Scan, 7-band graphic equalizer, Dolby Surround Sound with adjustable digital delay, 3 audio and 2 video inputs, sleep timer, full-function A/V remote control, Multi-Room Remote Control System ready with optional MR-100 adapter. *VSX-4800 loses equalizer, but adds Dolby Pro-Logic Surround, 18 watts for center channel. Specifications:* 100 watts per channel into 8 ohms (20-20,000 Hz) at 0.05% THD plus 18 watts per channel for rear (*VSX-4800* also has 18 watts for center), Usable FM Sensitivity 10.8 dBf. Dim: 16"W x 4 3/4"H x 13"D (*VSX-4800* is 16"W x 5"H x 15"D). Warranty: 1 year.



Features: Programmable remote control, 30 AM/FM station presets, preset Memory Scan, Dolby Pro-Logic Surround, rear- and center-channel amps, 4 audio and 3 video inputs, sleep timer, Multi-Room Control System ready with optional MR-100 adapter. *VSX-5900S includes more power, 5 audio and 4 video inputs, A/B/Center/Rear Speaker selector, 5 SoundField memories, and preamp output/power amp input terminals for front, rear and center. Specifications:* 100 watts per channel into 8 ohms (20-20,000 Hz) at 0.05% THD plus 18 watts per channel for rear and center (*VSX-5900S* has 105 watts per channel at 0.008% THD plus 25 watts per channel for rear and center), Usable FM Sensitivity 10.8 dBf. Dimensions: 16"W x 5"H x 15"D. Warranty: 1 year.



Features: Digital Signal Processing, Dolby Pro-Logic Surround with adjustable digital delay, 5 digitally simulated SoundField memories, Jog Dial, output for self-powered subwoofer, programmable remote control, 5 audio and 6 video inputs (1 front panel), S-video input (front panel), Custom Memory tuning with 30 AM/FM presets, sleep timer, Multi-Room Remote System ready with optional MR-100 adapter, preamp output/power amp input terminals for front, rear and center. **Specifications:** 125 watts per channel into 8 ohms (20-20,000 Hz) at 0.005% THD plus 40 watts per channel for rear and center, Usable FM Sensitivity 10.8 dBf. Dimensions: 16"W x 6 1/2"H x 16"D. Warranty: 1 year.

Proton AM-455 / AT-470 Integrated Amp & Tuner

This integrated amp/tuner combination sports a clean, classic style and the impeccable performance you expect from Proton. The handsome AM-455 delivers a solid 50 watts per channel into 8 ohms, and even peaks at 120 watts per channel of dynamic power when driving 4-ohm loudspeakers! It offers plenty of flexibility with 5 inputs (including video sound). Other design features include bass, treble, balance, and loudness controls, and a headphone output. The AT-470 quartz tuner offers automatic or manual tuning, 16 AM/FM station presets, and stereo/mono switch. For highly musical sound, give these Protons a try. You owe it to your ears.

AM-455 Features: 5 total inputs (1 for video sound), headphone output, pre-amp outputs, 2 pairs of speaker hookups with A/B switching. **Specifications:** 50 watts per channel into 8 ohms at 0.02% THD, Signal-to-Noise ratio 100 dB. Dimensions: 17½"W x 3¼"H x 13"D. Warranty: 1 year.

Item #207AM455 List Price: \$250 **YOUR LOW PRICE: \$229**



AT-470 Features: Quartz synthesis tuning, 8 AM/8 FM presets, automatic or manual tuning, stereo/mono selectability. **Specifications:** Usable FM Sensitivity 10.3 dBf, Stereo Signal-to-Noise 74 dB. Dim: 17½"W x 3¼"H x 12¼"D. Warranty: 1 year.

Item #207AT470 List Price: \$220 **YOUR LOW PRICE: \$199**

Proton AC-422 CD Player / AD-431 Cassette Deck / AV-455 Receiver

The stylish AC-422 includes the latest 1-bit D/A converter technology and 8-times oversampling digital filter for outstanding CD sound. And it offers made-to-order programming for up to 20 tracks, Skip Search to the next track or Index, 2-way Repeat (track/program), Random Play, and direct track access from the remote control.

The AD-431 is proof that a high-performance cassette deck doesn't have to look like a Las Vegas marquee to get the job done. Along with smooth full-logic controls, it offers a selectable Quick Reverse system for lengthy recording sessions or nonstop playback of your favorite tapes. A dual display lets you select tape-counter mode (numerical) or timer mode (minutes and seconds) for keeping track of elapsed recording time. Dolby B and C noise reduction systems and Dolby HX Pro are there to provide hiss-free, dynamically rich reproduction.

If you listen to radio, you'll appreciate the AV-445's station-grabbing tuner with manual or automatic tuning and 16 FM and 8 AM random presets. Along with inputs for tape, CD, phono, and video sound, the AV-445 provides pre-out jacks for adding a larger amp in the future. 50 watts per channel of true dynamic power is built-in, and you'll have separate bass, treble, and balance controls for independent adjustment. The AV-445's remote lets you control power, source selection, volume, and mute from your easy chair.

AC-422 Features: 1-bit D/A Converter, 3-beam laser pickup, 20-track random programming, Random Play, 2-way Repeat, Skip Search, headphone output, wireless remote control, remote compatible with AV-445 receiver. **Specifications:** Frequency Response 20-20,000 Hz (±0.3dB), THD 0.005%, Signal-to-Noise ratio 96 dB, Dynamic Range 92 dB. Dimensions: 17½"W x 3¼"H x 12¼"D. Warranty: 1 year.

Item #207AC422 List Price: \$350 **YOUR LOW PRICE: \$299**



AD-431 Features: Auto-Reverse, Quick Reverse, 2-motor mechanism with full-logic controls, hard Permalloy heads, Dolby B & C and HX Pro, Music Search, Auto-00-Play/Stop, MPX Filter (rear switch), real time counter, auto tape type selector, headphone output, remote compatible. **Specifications:** Frequency Response (±3dB) 30-18,000 Hz, Signal-to-Noise ratio 72 dB (Dolby C), Wow and Flutter 0.06%. Dimensions: 17½"H x 4¾"H x 12¾"D. Warranty: 1 year.

Item #207AD431 List Price: \$300 **YOUR LOW PRICE: \$269**

AV-445 Features: Quartz synthesis tuning, 16 FM/8 AM presets, automatic or manual tuning, 4 inputs (1 for video sound), connections for 2 pairs of speakers with A/B switching, separate bass & treble controls, balance control, mono/stereo switch, loudness button, headphone jack, preamp outputs, remote control. **Specifications:** 50 watts per channel into 8 ohms (20-20,000 Hz), THD 0.02%, Usable FM Sensitivity 10.4 dBf. Dimensions: 17½"W x 3¼"H x 13"D. Warranty: 2 years.

Item #207AV445 List Price: \$400 **YOUR LOW PRICE: \$379**

JVC MX-50 / MX-70

These JVC systems are personal-sized, space-saving stereos: you can set them up in any room in your home, or even at the office. But don't let their compact dimensions fool you. JVC advances in amplifier cooling, microelectronics and woofer porting give them a dynamic range and rich, extended bass totally unexpected from systems this small. And there are brains behind all this brawn, too. For example, in recording from CD to cassette you can use Auto Edit to automatically fill a tape with as many songs as the tape will hold, or Programmed Edit which does the same thing, but in the order you decide (even to the point of which side of the tape a song goes on). The 7-band equalizer has pre-programmed EQ settings for Rock, Pop, Jazz and Classical, as well as a setting for tapes for your car. The MX-50 (pictured) houses the CD player and amp in one chassis, the tuner and cassette deck in another. The MX-70 is four separate components, adds a separate subwoofer amp, and a microphone input.

Item #111MX50 List Price: \$800 **YOUR LOW PRICE: \$599**

Item #111MX70 List Price: \$1000 **YOUR LOW PRICE: \$799**

Features: Single-disc CD player with 32-track programming, 7-band electronic equalizer,



er, wireless remote control, AM/FM digital tuner with 40 presets, multi-program timer, dual auto-reverse cassette deck (Deck A Play, Deck B Play/Record) with full-logic controls and Dolby B (MX-70 adds Dolby C, HX Pro), high-speed dubbing, labyrinth-ported speakers with two full-range drivers and one subwoofer each. **MX-50 Specifications:** 35 watts per channel into 4 ohms from 40 to 20,000 Hz at 0.9% THD. Dimensions: Amp/CD Player 10½"W x 6¼"H x 12¼"D, Tuner/Cassette Deck 10½"W x 6¼"H x 10¼"D, Speakers 6¼"W x 13¼"H x 10¼"D. Total weight: 29.4 lbs. **MX-70 Specifications:** 23 watts per channel into 4 ohms from 40 to 20,000 Hz at 0.9% THD, subwoofer amp 27 watts per channel into 6 ohms at 80 Hz at 0.9% THD. Dimensions: Amp 10½"W x 4¾"H x 10¼"D, Cassette Deck 10½"W x 4¾"H x 10¼"D, Tuner 10 7/8"W x 2¾"H x 10¼"D, CD Player 10½"W x 2¾"H x 10¼"D, Speakers 7¼"W x 14½"H x 10¼"D. Total weight: 35.6 lbs. Warranty: 1 year.

Pioneer CCS-430

More and more people are choosing the long-play convenience of multi-disc CD changers, especially when they want a long run of music without having to get up and change discs. If you're one of them and looking for the space-savings and unobtrusiveness that only mini-components provide, this is the system for you. In one smart package you get a 6-disc changer, a 25 watt/channel amp, dual cassette deck, an AM/FM tuner, and 3-way magnetically-shielded speakers. "Smart" functions include memorization of your favorite settings, and synchronized CD-to-tape editing with cross-fades, fade-outs, and automatic track selection to fill a tape. You can also vary the "sound field" you hear to match the type of music you're listening to by selecting the Dance, Concert Hall or Background Music functions.

Item #700CCS430 List Price: \$925 **NEW LOW PRICE: \$799**

Sony MHC-2600 / MHC-3600

NEW

These space-saving Sonys deliver big system performance and quality to match. Along with CD, Tape and Tuner functions, the 30-watt-per-channel MHC-2600 offers inputs for DAT and video sound! A 7-band graphic equalizer lets you control the sound. Dynamic 3-way speakers deliver superb sound. The built-in CD player 20-track programming with Music Calendar display, Shuffle Play, Repeat, and Time Edit. Its dual auto-reverse cassette deck is a joy to operate with full-logic controls, high-speed dubbing, Dolby B & C, Music Search and CD-Deck Synchro record. And an AM/FM digital tuner offers auto/seek tuning and 30 random presets. For increased efficiency and greater clarity & separation, the MHC-3600 (pictured) steps up to bi-amplified speakers. The speakers actually split up into two components— one for bass (powered by 30 watts) and the other for mids and highs (powered by 20 watts). It also adds a phono input.

Item #156MHC2600 List Price: \$950 **YOUR LOW PRICE: \$799**

Item #156MHC3600 List Price: \$1200 **YOUR LOW PRICE: \$999**

Kenwood UD-70

NEW

With Kenwood's advanced Artificial Intelligence system for equalization, timer control, and dubbing, the UD-70 brings new meaning to "smart." When dubbing from CD to tape, it samples the disc and automatically sets the optimum recording level and tape bias. Management Edit fades songs to make sure all will fit on your tape, or use Multi-Edit to add in singles. You can even listen to the tuner during high-speed dubbing—a nice touch. Its precise 27-band graphic equalizer automatically contours the EQ curve after sampling the CD's music. And auto "loudness" adjusts the EQ setting for optimum sound at any volume. The UD-70 also features 2 timers: Timer 1 wakes you gently to music, and Timer 2 will play any two tracks from CD before switching to the tuner. Perfect for easing into your day with music, then listening to news on the radio. The UD-70 offers many more great amenities that will delight and entertain you for years to come.

Item #700UD70 List Price: \$1199 **YOUR LOW PRICE: \$999**

Denon D-200

NEW

The 6-disc CD changer of Denon's gorgeous D-200 provides hours of dynamic CD sound. It offers 20-track programming for select playback, Random Play for a surprise mix of tunes, 3-way Repeat, and a coaxial digital output for direct connection to a DAT deck. Its unique cassette deck includes Denon's newly-developed, space-saving horizontal loading mechanism. Quick reverse senses the leader at either end of the tape and immediately switches direction, so you won't miss a note of your music. Dolby B & C and HX Pro produce super-clean, dynamic recordings, and its remaining time display conveniently flashes when under 5 minutes. 30 random presets give you quick access to your favorite AM and FM stations, and an everyday timer lets you set a wake up alarm or record your favorite program. The D-200's controls are tastefully hidden behind hinged panels and quality 2-way speakers provide absolutely beautiful Denon sound.

Item #700D200 **YOUR LOW PRICE: \$1499**

Features: 6-disc CD changer, 32-step programming, and Random/Repeat play, AM/FM tuner with 24 presets, smart timer, dual auto-reverse cassette deck (Deck 1 Record/Play, Deck 2 Play), Dolby B & C, high speed dubbing, Music Search, bass and treble controls, 3-way speakers with magnetic shielding, wireless remote control. **Specifications:** 25 watts per channel into 8 ohms from 40 to 20,000 Hz at 0.9% THD. Dim: (main unit) 10 1/4"W x 12 1/4"H x 12 1/4"D, Speakers (each) 7 1/2"W x 12 1/4"H x 8 3/4"D. Total weight: 38 lbs. Warr: 1 year.



Includes FREE CD Bonus!



Features: 7-band graphic EQ with 15-band spectrum analyzer, Matrix Surround sound, mic input and mixing, subwoofer output, wireless remote control, single-disc CD player with 20-track programming, Shuffle Play, Repeat, dual auto-reverse cassette deck with full-logic controls, Dolby B & C, Music Search, CD-Deck Synchro, AM/FM tuner with 30 random presets, sleep timer, 3-way speaker system, video shielding. The MHC-3600 adds dual speaker enclosures, bi-amplification, phono input. **Specifications:** 30 watts per channel into 6 ohms from 40-20,000 Hz at 0.5% THD. [MHC-3600 has 30 watts per channel for bass, 20 watts per channel for mids/highs. Dim: (main units stacked) 8 3/4"W x 14 1/4"H x 11 1/2"D; Speakers 7 1/2"W x 13 1/2"H x 9"D. Total weight: 31 lbs. (43 lbs. for MHC-3600). Warranty: 1 year.



Features: Single-disc CD player with 20-track programming, AM/FM tuner, dual auto-reverse cassette deck with full-logic controls (Play Deck A, Record/Play Deck B), Dolby B & C, high speed dubbing, 27-band graphic equalizer with 15 factory and 5 user presets, Computer-Controlled Recording System, 2 system timers, remote control with direct access, video dubbing, subwoofer preout connection. **Specifications:** 40 watts per channel into 6 ohms from 40-20,000 Hz at 0.09% THD. Dim: Receiver and Cassette Deck (each) 10 5/8"W x 4 3/4"H x 11 1/2"D, CD Player and Equalizer (each) 10 5/8"W x 3 3/4"H x 10 1/4"D, Speakers 8 3/4"W x 16 1/4"H x 11 1/4"D. Total weight: 53 lbs. Warr: 1 year.



Features: 6-disc CD changer with 20-track programming, Random Play, 3-way Repeat, coaxial digital output for DAT, cassette deck with cassette stabilizer, Quick Reverse, Dolby B & C and HX Pro, remaining tape-time display, Music Search, AM/FM tuner with 30 random presets, everyday timer for alarm or recording, sleep timer, remote control, 2-way speakers with video shielding. **Specifications:** 40 watts per channel into 8 ohms from 40-20,000 Hz at 0.5% THD. Dim: Amp 9 3/4"W x 3 3/4"H x 13 1/4"D, Tuner 9 3/4"W x 3 3/4"H x 12 1/4"D, CD changer 9 3/4"W x 4 3/4"H x 14 1/4"D, Cassette deck 9 3/4"W x 3 3/4"H x 8 3/4"D, Speakers (each) 7 1/2"W x 14 1/4"H x 8 3/4"D. Warranty: 1 year.

Sony CDP-C315 / CDP-C515

GOLD AWARD
CUSTOMER FAVORITE

For multi-disc convenience, you can't go wrong with one of Sony's 5-disc carousel changers. The slide-out motorized platter has five separate sections. There are no disc magazines to load, and disc labels are in plain sight. And they use Sony's latest pulse D/A converter technology for sound quality that betters most single-disc players. The CDP-C315's playback options include 32-track programming, 7 Repeat modes, and Shuffle Play. Recording from CD to tape is super-easy thanks to Peak Level Search, which automatically scans a disc for the highest signal level, and 3-way Custom Edit, which figures out how to best fill a cassette. Both models include a wireless remote control; the CDP-C515 steps up to a full-function remote with 20-key direct track access and volume adjustment. You also get an optical digital output to send raw data to another component such as a DAT deck (see page 89). *CDP-C515 is pictured.*

Item #156CDPC315 List Price: \$280 **YOUR LOW PRICE: \$229**

Item #156CDPC515 List Price: \$330 **YOUR LOW PRICE: \$279**



Features: 5-disc motorized carousel, 8-times oversampling 45-bit digital filter, 4 pulse-type D/A converters, anti-jitter Direct Digital Sync Circuit, 5-disc direct access, 32-track programming, 7-way Repeat, random Shuffle Play, 3-way Custom Edit (multi-disc/time/program), Peak Level Search, 20-track music calendar, headphone output with level control, wireless remote control. The CDP-C515 adds optical digital output, and a full-function remote with direct track access and variable line out. **Specifications:** Frequency Response (± 1 dB) 2-20,000 Hz, THD 0.005%, Signal-to-Noise ratio 100 dB, Dynamic Range 98 dB. Dim: 17 1/4"W x 5"H x 15 1/4"D. Warranty: 1 year.

Sony CDP-C615 / CDP-C715

The remarkable CDP-C615 lets you get creative with the sound of your system. It uses Sony's powerful DSP (Digital Signal Processing) circuitry to generate cool reverb and equalization effects. There are 5 SoundField presets, ranging from an intimate jazz club to the wide open spaces of a stadium, that allow you to select an appropriate environment for each recording. And it includes the vast array of playback and edit features—like 32-track programming, 7-way Repeat, Shuffle Play, Peak Level Search and 3-way Custom Edit—that make Sony CD changers so desirable. The CDP-C715 offers 7 SoundField settings, and Custom File so you can store in memory your DSP effects and volume settings for as many as 184 discs! You can even write a label for each CD that's displayed while it plays. *CDP-C715 is pictured.*

Item #156CDPC615 List Price: \$380 **YOUR LOW PRICE: \$329**

Item #156CDPC715 List Price: \$470 **YOUR LOW PRICE: \$399**



Features: 5-disc motorized carousel, 8-times oversampling 45-bit digital filter, 4 pulse-type D/A converters, 32-track programming, 7-way Repeat, random Shuffle Play, 3-way Custom Edit, DSP for reverb and equalization, 5 SoundField presets, headphone output, optical digital output, wireless remote with volume control. The CDP-C715 includes Custom File, and 2 additional SoundField presets. **Specifications:** Frequency Response (± 1 dB) 2-20,000 Hz, THD 0.004% (0.003% for CDP-C715), Signal-to-Noise ratio 100 dB (110 dB for CDP-C715), Dynamic Range 98 dB (100 dB for CDP-C715). Dimensions: 17 1/4"W x 5"H x 15 1/4"D. Warranty: 1 year.

Sony CDP-C910 **NEW**

Great parties deserve the best sounding music. That's one reason Sony's CDP-C910 combines the sonic advantages of an 8-times oversampling 45-bit digital filter with the long-playing convenience of a 10-disc magazine. The CDP-C910 puts an entire music library at your fingertips with disc and track select from the wireless remote, plus 7-way Repeat, and random Shuffle Play. Program up to 32 tracks on any of the 10 discs for playback in any order you choose. And Custom File lets you store in memory that program sequence, a custom volume level, and a display message or label for as many as 184 discs! The CDP-C910 uses the same disc magazine as Sony's car DiscJockey, so it's easy to enjoy the same uninterrupted listening at home or on the road.

Item #156CDPC910 List Price: \$470 **YOUR LOW PRICE: \$399**

Extra 10-disc Magazine Item #156XA10B \$29



Features: 10-disc magazine, 4 pulse-type D/A converters, 8-times oversampling with 45-bit digital filter, 32-track programming, Custom File with 184-disc memory, 7-way Repeat, Shuffle Play, 3-way Custom Edit (multi-disc, time, program), headphone output with level control, optical digital output. **Specifications:** Frequency Response (± 1 dB) 2-20,000 Hz, THD 0.003%, Signal-to-Noise ratio 110 dB, Dynamic Range 100 dB. Dimensions: 17"W x 4 1/4"H x 13"D. Warranty: 1 year.

Kenwood DP-2030

From the look, feel, and sound of this CD player, you'd never guess it costs just \$169. Kenwood's DP-2030 is quite a performer, using their latest 1-bit digital-to-analog conversion and Digital Pulse Axis Control to maintain precision and accuracy. That boils down to very musical sound with sharper stereo imaging. A 20-song music calendar display and direct track access from the player's front panel or remote control make song selection easy and convenient. You'll enjoy great features like 20-track programming and Random Play. When used with a Kenwood cassette deck, the DP-2030's time-saving Computer-Controlled CD Recording System can play the disc at high speed while the deck records at high speed. And it scans your CDs to set precise recording levels. All this, and years of listening enjoyment, for just \$169!

Item #113DP2030 List Price: \$199 **YOUR LOW PRICE: \$169**



Features: 1-bit D/A converter, 8-times oversampling digital filter, anti-jitter Digital Pulse Axis Control, high-speed Computer-Controlled CD Recording System, 3-beam laser pickup with Optimum Servo Control, 20-track programming, 20-key direct track access, 20-song music calendar, Random Play, headphone output, 3" CD compatible, wireless remote control, system remote controllable. **Specifications:** Frequency Response 4-20,000 Hz, THD 0.005%, Signal-to-Noise ratio 94 dB, Dynamic Range 92 dB. Dimensions: 17 1/2"W x 4 1/4"H x 10 1/2"D. Warranty: 1 year.

Kenwood DP-R4430

The DPR4430 5-disc rotary-style CD changer uses a rotating platter rather than a magazine for disc loading in the player. Logic circuitry determines the shortest route between two songs, so disc-to-disc access is somewhat faster than conventional changers. Kenwood's 1-bit digital-to-analog conversion, and 8-times oversampling digital filter are used for silky-smooth, distortion-free CD sound. The DPR4430 plays full-size CDs and 3" CD singles, and provides you with up to 6 hours of listening pleasure. You can program up to 20 selections for made-to-order playback, or let the player choose songs randomly for more spontaneous listening. The front panel's music calendar display makes it easier to program songs by remote control.

Item #113DPR4430 List Price: \$299 **YOUR LOW PRICE: \$229**



Features: 5-disc rotary changer, 1-bit D/A converter, 8-times oversampling digital filter, anti-jitter Digital Pulse Axis Control, 3-beam laser pickup with Optimum Servo Control, 20-track programming, high-speed computer-controlled CD Recording System, Random Play, 3" CD compatible, Edit function, headphone output with level control, wireless remote control. **Specifications:** Frequency Response 4-20,000 Hz, THD 0.005%, Signal-to-Noise ratio 94 dB, Dynamic Range 92 dB. Dim: 17 1/2"W x 5 1/4"H x 15 1/2"D. Warranty: 1 year.

Kenwood DP-M6630 / DP-M7730

The easy-to-store magazines of Kenwood's popular 6+1 changers let you organize your CDs by type of music or favorite artist and enjoy hours of uninterrupted listening. Along with the latest 1-bit D/A conversion circuitry, these changers use Kenwood's Digital Pulse Axis Control, which reduces jitter in the data-stream for more focused imaging and tighter bass. With conveniences like 20-track program memory, Disc File memory, 20-key direct track access, and Random Play, the DPM6630's playback possibilities are endless. Advanced Magazine File memory is included with the DPM7730. It's a personalized library system complete with an internal memory database of magazines, discs, and programs! The DPM7730 also provides an informative LCD panel on its remote control. *DPM7730 is pictured.*

Item #113DPM6630 List Price: \$329 **YOUR LOW PRICE: \$249**

Item #113DPM7730 List Price: \$379 **YOUR LOW PRICE: \$299**

Extra 6-disc Magazine Item #113CDM600 \$16



Features: 6-disc magazine changer plus single drawer, 1-bit D/A converter, 8-times oversampling digital filter, Digital Pulse Axis Control, high-speed Computer-Controlled CD Recording System, 3-beam laser pickup with Optimum Servo Control, 20-track programming, 20-key direct track access, Random Play, Disc File, Edit function, 3" CD compatible, headphone output with level control, wireless remote control. *DPM7730 adds Magazine File (255 discs or 42 magazines) and LCD panel on remote.* **Specifications:** Frequency Response 4-20,000 Hz, THD 0.005%, Signal-to-Noise ratio 94 dB, Dynamic Range 92 dB. Dimensions: 17 1/2"W x 5 1/4"H x 14 1/2"D. Warranty: 1 year.

Pioneer PD-7700

NEW



With so many terrific single-disc players out there, finding one that really stands out has been tough. Until now. Pioneer's radically different PD-7700 is the first *affordable* player to put advanced engineering into the laser transport. With Pioneer's Stable Platter Mechanism, a CD is placed "music side up" on a free-wheeling platter (see photo on p. 82). The laser and spindle motor are mounted *above*; during play, the spindle clamps the disc securely to the platter and spins both disc and platter together. Disc resonance and vibration are suppressed and the disc is driven by more constant torque. You'll hear beefier bass and greater transparency in the upper ranges. Conveniences include direct track access, 3-way Random Play, 6 Repeat modes, advanced program editing, and wireless remote control.

Item #130PD7700 List Price: \$400 **YOUR LOW PRICE: \$349**



Features: Stable Platter Mechanism, 1-bit pulse-type D/A converter, 8-times oversampling digital filter, 20-key direct track access, Highlight Scan, CD-Deck Synchro, Computer-Allocated Program Editing, 3-way Random Play, 6-way Repeat, full-function remote control, headphone output with volume control, optical digital output. **Specifications:** Frequency Response 2-20,000 Hz, THD 0.0026%, Signal-to-Noise ratio 106 dB, Dynamic Range 96 dB. Dimensions: 16 1/2"W x 5 1/4"H x 10 1/4"D. Warranty: 1 year.

Pioneer PD-M550 / PD-M650

With Pioneer's latest CD technology—1-bit pulse-type D/A converters and 8-times oversampling digital filters—these 6-disc changers continue the high level of performance that Pioneer is famous for. Along with superb sound, the PD-M550 includes user-friendly features like direct track access, 32-track programming, Random Play, 2-way Program Edit, 7-way Repeat, and remote control. What's more, CD-Deck Synchro makes dubbing CDs with a late-model Pioneer cassette deck virtually effortless. The PD-M650 steps up to 40-track programming and adds Multi-Memory permanent programming for up to 20 magazines. An interactive display acknowledges commands you send, prompts you through programming, and includes a convenient Music Calendar display. A special cartridge for loading a single disc is also included. *PD-M650 is pictured.*

Item #130PDM550 List Price: \$325 **YOUR LOW PRICE: \$269**

Item #130PDM650 List Price: \$440 **YOUR LOW PRICE: \$369**

Extra 6-disc Magazine 3-pack Item #130JDM300K \$27



Features: 6-disc magazine, 1-bit pulse-type D/A converter, 8-times oversampling digital filter, Auto Digital Level Control, 10-key direct track access, 32-track random programming, Highlight Scan, 7-way Repeat, Compu-PGM Edit and Time Fade editing, CD-Deck Synchro, Random Play, full-function remote control, headphone output with volume control. The PD-M650 adds 40-track random programming, Multi-Memory, Command ID display, Talk-back display, single-disc loader. **Specifications:** Frequency Response 2-20,000 Hz, THD 0.003%, Signal-to-Noise ratio 102 dB (105 dB for PD-M650), Dynamic Range 96 dB. Dim: 16 1/2"W x 4"H x 11 1/2"D; (PD-M650) 16 1/2"W x 5 1/4"H x 13"D. Warranty: 1 year.

JVC XL-V141 / XL-V241

Everything about this latest generation of JVC CD players is new, from the titanium finish on the outside right on down to a new digital decoding scheme inside. The music you hear is more, well, musical, even in this pair of JVC's most affordable players thanks to the use of their P.E.M. (Pulse Edge Modulation) 1-bit digital to analog converters. The overall mechanical design has been revamped resulting in units that are more solid and independent from external mechanical and electrical influences than ever. Conveniences include "Smart" Random Play (won't play the same track twice), and "Delete" Random Play so you can delete tracks you don't want to hear during random play. The XL-V241 adds remote control with direct track access. *XL-V141 is pictured.*

Item #111XLV141 List Price: \$200 **YOUR LOW PRICE: \$129**

Item #111XLV241 List Price: \$215 **YOUR LOW PRICE: \$149**



Features: P.E.M. "1 bit" DACs, 8-times oversampling digital filter, Smart/Delete Random Play, auto/programmed edit modes, 3-beam laser pickup, disc stabilizing clamp, new Y Servo system, floating independent suspension, 32-track programming, 4-way Repeat, 15-track music calendar, 3" CD compatible, headphone output. *XL-V241 adds remote control with direct track access.* **Specifications:** Frequency Response 2-20,000 Hz, THD 0.0025%, Signal-to-Noise ratio 106 dB, Dynamic Range 98 dB. Dimensions: 17 1/4" W x 4 1/4" H x 10 1/2" D. Warranty: 1 year.

JVC XL-Z441

Considering the features and performance you get for just \$199, the XL-Z441 is one of our strongest values in a single-disc CD player. Inside this handsome player are JVC's exclusive P.E.M. 1-bit DACs reading the digital data with higher precision and delivering exceptionally musical reproduction. Added to it is a new balanced buffer circuit lowering distortion to the lowest levels ever and raising the signal-to-noise ratio to its theoretical limit. User-friendly conveniences include 32-track programming, 4-way Repeat, and Smart Random Play that can delete the songs you don't want to hear and never plays the same song twice. If you're using the XL-Z441 with one of JVC's new cassette decks, you can take advantage of the Dynamics Detection Recording Processor. It scans a disc with the touch of a button and automatically sets the correct recording level on the tape deck.

Item #111XLZ441 List Price: \$255 **YOUR LOW PRICE: \$199**



Features: P.E.M. "1 bit" DACs, balanced buffer circuit, 8-times oversampling digital filter, disc stabilizing clamp, Smart/Delete Random Play, auto/programmed edit modes, disc stabilizing clamp, 32-track programming, 4-way Repeat, Dynamics Detection Recording Processor, 3" CD compatible, optical digital output, headphone output with volume control, remote control with direct track access. **Specifications:** Frequency Response 2-20,000 Hz, THD 0.0015%, Signal-to-Noise ratio 112 dB, Dynamic Range 100 dB. Dimensions: 17 1/4" W x 4 1/4" H x 11" D. Warranty: 1 year.

JVC XL-R204 / XL-R304

For sheer convenience in a multi-disc player you can't beat JVC's 5-disc carousel changers. Lift the hinged, transparent top and you can change, add or remove discs without stopping the music that's playing. You can program the order of discs and songs in up to 32 "steps" (tracks and discs) or play them straight through one after the other. You also get Random Play and 2-way Repeat. Both models sport the new titanium finish outside and JVC's exclusive P.E.M. 1-bit DACs inside for greater musicality. Greater disc tracking accuracy is assured through the use of JVC's New Y Servo system and floating independent suspension. The XL-R304 adds remote control with direct track access.

Item #111XLR204 List Price: \$250 **NEW LOW PRICE: \$189**

Item #111XLR304 List Price: \$295 **NEW LOW PRICE: \$219** (pictured)

Features: 5-disc rotary changer, P.E.M. 1-bit DACs, 4-times oversampling 18-bit digital filter, Smart Random Play, 3-beam laser pickup, disc stabilizing clamp, independent suspension system, New Y servo tracking system, 32-step programming, 3" CD compatible, 2-way Repeat, XL-R304 adds remote control with direct track access. **Specifications:** Frequency Response 2-20,000 Hz, THD 0.0025%, Signal-to-Noise ratio 106 dB, Dynamic Range 94 dB. Dimensions: 17 1/4" W x 4 1/4" H x 14 1/4" D. Warranty: 1 year.



JVC XL-M405 / XL-M505

These new magazine-style multi-disc players have both a 6-disc magazine and a single-disc tray, making it just as easy to play one disc as it is to play seven. (That's right, you can load the magazine with as many as 6 discs and the single-play drawer with one and play all seven in a row.) It's perfect for any time you want hours of uninterrupted music and still have the ability to pop in some music that suddenly occurs to you. Features like 32 "step" (tracks and discs) programming, Random Play, and 4-way Repeat add to the fun by playing back songs as you want them or in a completely random, non-repeating order. And you'll really like the sound because they both use JVC's latest "1-bit" technology. The XL-M505 adds direct disc selection from the front panel, and remote control with direct track access. *XL-M505 is pictured.*

Item #111XLM405 List Price: \$325 **YOUR LOW PRICE: \$249**

Item #111XLM505 List Price: \$375 **YOUR LOW PRICE: \$279**



Features: 6-disc magazine plus single-tray drawer, P.E.M. 1-bit DAC, 4-times oversampling 18-bit digital filter, 32-step programming, Smart Random Play, 4-way Repeat, independent suspension system, New Y Servo system, multi-function display, headphone output. *XL-M505 adds front panel direct disc selection, remote control with direct access.* **Specifications:** Frequency Response 2-20,000 Hz, THD 0.0020%, Signal-to-Noise ratio 108 dB, Dynamic Range 98 dB. Dim: 17 1/4" W x 5 1/4" H x 12 1/2" D. Warranty: 1 year.

Sony D-202 **NEW**

Sony's slim, lightweight D-202 uses an 8-times oversampling digital filter, dual 16-bit digital-to-analog converters, and 3-step Mega Bass circuitry for impressive portable CD sound. Its snap-on disc spindle design holds the CD firmly in position for improved tracking and accurate playback. User conveniences include 20-track programming, easy-to-read backlit LCD panel, 10 playback modes, and Auto Resume Play. It includes headphones, AC adapter, and a rechargeable battery for 2 hours of play (3½ hours with 2 "AA" batteries). Optional carry bag #227DM1, \$19.

Specifications: Frequency Response 20-20,000 Hz. Dimensions: 5¼"W x 1½"H x 6"D. Weight: 11.3 oz. with battery. Warranty: 1 year parts/90 days labor.

Item #158D202 List Price: \$250 **YOUR LOW PRICE: \$199**

Optional Car Mounting Arm Item #158CPM200A, \$44

Optional Car Power Plate Item #158CPM203P, \$49

**Sony D-180K**

The D-180K makes it easy to enjoy CD sound at home or in your car. Though compact, this portable uses a 2-times oversampling digital filter, dual D/A converters, and an Anti-Shock Suspension to resist bumps. Includes random Shuffle Play and 3-way Repeat Play. The D-180K comes with an AC adapter and patch cord for home use, and a cigarette lighter cord and cassette adapter for car stereo use. Requires 4 "AA" batteries for portable use. Optional carry bag Item #227DM1, \$19.

Specifications: Freq. Resp. (±3dB) 20-20,000 Hz. Signal-to-Noise ratio 85 dB. Dim. 5½"W x 1¾"H x 6½"D. Weight: 1 lb 3 oz. (w/batteries). Warr: 1 yr. parts/90 days labor.

Item #158D180K List Price: \$300 **YOUR LOW PRICE: \$249**

Optional car mounting arm kit Item #158CPM70, \$39.

**Interlink CD by Monster Cable**

Interlink CD cables are designed to make any CD player sound better, and they're a big improvement over the cheap patch cords packed in the box with most players. These audiophile interconnects do much more than simply shield the audio signal from magnetic and RF interference. Each cable has dual precision-wound wire networks that use Monster Cable's "Bandwidth Balanced" technology to control the complex phase characteristics of digital audio signals. Monster Cable is so confident you'll hear a difference that they offer a money-back guarantee.

Item #119ILCDHM
½ meter pr. (20" each)

YOUR LOW PRICE: \$24 pair

Item #119ILCD1M

1 meter pr. (39" each)

YOUR LOW PRICE: \$29 pair

**CD Stabilizer Rings by Allsop**

Made of a special vibration dampening material called NAVCOM, Allsop's non-adhesive CD Stabilizer Rings make CDs sound better. The vibrations and resonances of a spinning disc are reduced and balance and speed consistency are improved. Music sounds warmer, more involving, with more realistic vocals. Designed by vibration analysis expert Steve Sims, these removable, elastic rings work in home and portable players (but not in-dash players or cartridge-style changers). You have 30 days to experiment so why not try them? CD fans around here swear by them.

12-pack Item #28751020 **YOUR LOW PRICE: \$14**

24-pack Item #28751040 **YOUR LOW PRICE: \$24**

**Sony D-303**

Sony races ahead of the pack with the D-303. Along with a slim, new shape and titanium finish, it's the first portable CD player to use a "1-bit" D/A converter! Music is reproduced with greater accuracy and less distortion, especially at lower volume levels. Features include 22-track programming, 5-way Repeat, Random Play, Mega Bass circuitry, and optical digital output. A backlit LCD panel shows track selection, battery life, and disc/track remaining time. It operates on the supplied AC adapter, 2 "AA" batteries, or Sony's 30-minute quick-charge battery for up to 2 hours. Includes headphone with remote control, hand strap, and carry bag.

Specifications: Freq. Resp. (±1 dB) 20-20,000 Hz. THD 0.006%, S/N ratio 100 dB. Dim: 5"W x ¾"H x 4¾"D. Wt: 1lb 2 oz. (w/batteries) Warr: 1 year parts/90 days labor.

Item #158D303G List Price: \$360 **YOUR LOW PRICE: \$329**

Optional Car Mounting Arm Item #158CPM200A, \$44

Optional Car Power Plate Item #158CPM203P, \$49

**JVC XL-P50**

For just \$179, you can take gorgeous CD sound with you wherever you go. The XL-P50 includes a 4-times oversampling digital filter, dual D/A converters, and JVC's Hyper-Bass Sound System. User conveniences include 22-track programming, Intro Scan, Random Play, Repeat, and 3" CD compatibility. AC adapter, 4 "AA" rechargeable batteries (for approx. 2 hours play), carry case, and headphones included. Add the optional AC-RS2 Home Audio Station for instant connection to your home stereo system. It provides power, battery recharger, JVC Compu-Link connection, and line output.

Specifications: Frequency Response 17-20,000 Hz. Dimensions: 5¼"W x 1½"H x 5½"D. Weight 11.6 oz. (without batteries). Warranty: 1 year.

Item #111XLP50 List Price: \$250 **NEW LOW PRICE: \$179**

Optional Home Audio Station Item #111ACRS2 \$39

Optional car power adapter Item #111CAR60, \$29

**Kenwood DPC-72**

How much CD technology can be packed into a portable? Just ask Kenwood. Along with an 8-times oversampling digital filter and dual 16-bit D/A converters for rich, full sound, the DPC-72 includes Kenwood's 3-Stage Sound Processor so you can adjust tonal balance and image for headphone listening. Features include 24-track programming and Random Play. Other conveniences: Disc/Track Repeat, an LCD panel, locking lid, digital output, and a wireless remote control! Car cassette adapter, AC adapter, 4 "AA" rechargeable batteries included. Optional carry bag #227DM1, \$19. (Headphones not included).

Specifications: Frequency Response 20-20,000 Hz. THD 0.04%, Signal-to-Noise ratio 96 dB. Dim: 5¼"W x 1½"H x 6¼"D. Weight 13 oz. (with batteries). Warranty: 1 year.

Item #113DPC72 List Price: \$249 **YOUR LOW PRICE: \$219**

**CD Lens Cleaner**

The easy way to clean your CD player's optical lens. After every 10 hours of use, simply insert the AudioSource LLC-2 disc into your player like an ordinary CD and press Play. A special brush on the disc removes dust, dirt, smoke residue and pollution particles from the laser lens in about 10 seconds.

Item #021LLC2 **YOUR LOW PRICE: \$24**



Sony DTC-700 **Digital Audio Tape Recorder**

DAT lets you enjoy the custom recording convenience of a cassette deck and the same superb sound quality you get from CDs! And DAT's measurable distortion is less than 1/100 that of conventional analog tape decks. Because the music is stored as digital data, your recordings will stay as fresh as when they were originally made. The DTC-700 records in standard (2 hours) or long play (4 hours) mode, and offers many of the same features you enjoy with CD players: 10-key direct access, high speed search, 60-track programming, automatic search and scan, 3 repeat modes, CD Synchro Record, timer and a full-function remote control. The Serial Copy Management System allows you to make as many digital recordings from compact discs or analog sources as you like, but direct digital copying from one tape to another isn't possible.

Item #700DTC700 List Price: \$900

YOUR LOW PRICE: \$799



Features: Digital filtering with 8-times oversampling, 3rd order noise shaping, 3-motor direct drive tape transport, high speed search, 10-key direct access, 60-track RMS programming, music search/scan, 3 repeat modes, programmable subcode information, remote control, headphone output and optical, coaxial, and standard input/output. **Specifications:** Frequency Response (± 0.5 dB) 2-22,000 Hz (standard play), THD 0.0045%, Signal-to-Noise Ratio 92+ dB, Wow & Flutter below measurable limits. Dim: 17"W x 4 1/4"H x 13 1/2"D. Warranty: 1 yr.

120-minute blank tapes Denon Item #033R120DT **NEW LOW PRICE: \$12**

Monster Cable optical cable for CD players with optical digital output.

Item #119ILS1M **YOUR LOW PRICE: \$39**

Sony MDP-333 LaserDisc/CD Player

If you can't decide whether to upgrade the audio or video portion of your home entertainment system, add Sony's gorgeous MDP-333 combination player and do both. It handles compact disc, video laser disc, and CD Video; everything from 12" laser discs down to 3" CD singles! The MDP-333's 425-line resolution is a 60% improvement over standard VCRs. Its video features include a shuttle dial on the front panel and remote for convenient frame advance, still frame, etc., and 11 playback speeds from 10X to 1/90X normal (CAV discs only). The MDP-333's audio performance and convenience are excellent as well, with an 8-times oversampling digital filter, 20-track programming, Intro Scan, Repeat, headphone output with volume control, optical digital output, and a full-function remote.



Audio Specifications: Frequency Response 4-20,000 Hz (± 0.2 dB), THD 0.002%, Signal-to-Noise ratio 112+ dB, Dynamic Range 99+ dB. Dim: 17"W x 4 3/4"H x 15 1/4"D. Warr: 1 year.

Item #158MDP333 List: \$650

YOUR LOW PRICE: \$499

Get 3 Laser Discs for just \$7.50!

Pioneer CLD-M90 LaserDisc/CD Changer

What a great idea: a combination player that lets you enjoy LaserDisc video and the long-play convenience of a 5-CD changer! And with Pioneer's CLD-M90, you won't even have to unload your 5 discs and reload the player to watch a movie—just open its tray and place the LaserDisc in its slot over your other discs. That's *real* convenience! The CLD-M90 delivers first rate digital sound and incredible picture quality with over 425 lines of horizontal resolution and 48 dB video S/N ratio. Its Automatic Digital Level Controller equalizes output levels from all 5 discs so they're heard at the same volume—that adds to your listening enjoyment and makes recording onto tape consistent and easy. And the CLD-M90 offers a host of features, including Intro/Hi-Lite Scan, 3-speed Dual-Mode A/V Scan, Auto Program Edit for easy CD-to-cassette recording, and Last Picture Memory. You'll also enjoy 24-track/chapter programming, 10-key direct search, Random Play, 6-way Repeat,



Time Search, 2 A/V outputs, and remote control.

Audio Specifications: Frequency Response 4-20,000 Hz (± 0.3 dB), THD 0.0019%, Signal-to-Noise ratio 112 dB, Dynamic Range 99 dB. Dimensions: 19 1/2"W x 5 1/2"H x 17 3/4"D. Warranty: 1 year.

Item #700CLDM90 List Price: \$700 **YOUR LOW PRICE: \$599**

Pioneer CLD-2090 / CLD-3090 **LaserDisc/CD Players**

For sensational video and audio from LaserDisc and CD, these amazing Pioneer combination players are your entertainment source. The CLD-2090 brings sight and sound to life with razor-sharp pictures, and twin 1-bit D/A converters for improved S/N and stereo imaging. No more "get up and flip the LaserDisc"—Pioneer's high-speed alpha-turn mechanism allows uninterrupted playback of both sides! A handy Shuttle dial on the player's front panel and remote control lets you enjoy clean, clear forward/reverse scanning in 3 speeds. Playback conveniences include 24-track/chapter programming, 10-key direct search, multi-speed play in 9 steps, Intro Scan, 8-mode Repeat, Random Play, Time Search, and Last Picture Memory. For recording convenience, Peak Search, Auto Program Edit are available. Pioneer's top-of-the-line CLD-3090 adds 8-bit Digital Field Memory for special effects like still frame with sound and strobe. A Digital Time-Base Corrector delivers incredible picture stability and accuracy. And you can edit pictures like a pro with its advanced Jog/Shuttle dial. Both include 2 A/V outputs and S-video



output. You also get a *free* LaserDisc featuring 55 of today's most exciting musicians!

Audio Specifications: Frequency Response 4-20,000 Hz (± 0.2 dB), THD 0.0018%, Signal-to-Noise ratio 114 dB (115 dB for CLD-3090), Dynamic Range 99 dB. Dimensions: 16 1/2"W x 5 1/2"H x 17 1/4"D. Warranty: 1 year.

Item #700CLD2090 List Price: \$800 **YOUR LOW PRICE: \$699**

Item #700CLD3090 List Price: \$1200 **YOUR LOW PRICE: \$999**

Sony PS-LX520

The PS-LX520 uses a precise linear-tracking tonearm that moves laterally to play your records the same way they were originally cut. A P-mount cartridge will plug right in for perfect alignment and balancing instantly (cartridge not included, please choose



one from the chart below). This direct drive design has a quartz-locked servo control system that constantly monitors the speed to ensure accuracy. For easy one-touch operation, the PS-LX520 is fully automatic, with a handy Quick Repeat feature.

Specifications: Signal-to-Noise ratio 75 dB, Wow and Flutter 0.03%, Tracking error ± 0.1 degrees. Dim: 17"W x 3 3/4"H x 14 1/4"D. Warranty: 1 year.

Item #156PSLX520 List Price: \$270

YOUR LOW PRICE: \$229

Phono Cartridges

Model	AT301EP	AT311EP	AT316EP	AT331LP	M-105E	M-110HE	V15PROS
Cartridge Type	moving magnet	moving magnet	moving magnet	moving magnet	moving magnet	moving magnet	moving magnet
Mounting Type	P-mount/standard	P-mount/standard	P-mount/standard	P-mount/standard	P-mount/standard	P-mount/standard	standard
Frequency Response	15-25,000	15-27,000	10-27,000	10-30,000	20-20,000	20-20,000	5-30,000
Stylus Shape	bonded bi-radial	bonded bi-radial	nude bi-radial	linear contact	elliptical	hyper-elliptical	hyper-elliptical
Tracking Force/grms	1.0-1.5	1.0-1.5	1.0-1.5	1.0-1.5	1.0-2.0	1.0-1.5	1.0-1.75
List Price	\$65	\$75	\$100	\$130	\$108	\$119	\$105
YOUR PRICE	\$29	\$39	\$49	\$79	\$49	\$69	\$79
Item Number	#057AT301EP	#057AT311EP	#057AT316EP	#057AT331LP	#183M105	#183M110	#183V15PROS



I ordered a piece of equipment which didn't meet my needs exactly. The return was hassle-free. This policy alone will keep me coming back.

Bob S.
Government Executive
Shepherdstown, West Virginia



Kenwood GE-4030

The GE-4030 has 7 bands of equalization with selectable 12dB/6dB range for fine-tuning the response, plus 10 EQ memory presets (5 factory/5 user-programmable) so you can store the ideal equalization curve for each type of music you listen to. With the EQ recording switch you can equalize tapes recorded for car use while leaving home-use tapes unequalized. The reverse mode switch is handy for neutralizing equalized tape recordings to a "flat" response, or canceling out any irregular peaks or dips in the frequency response of your phono cartridge. And the one-touch EQ Flat button is great for comparing your equalized signal to the unequalized source.

Specifications: Frequency Response 10-50,000 Hz (± 1.5 dB), Signal-to-Noise ratio 100 dB, THD 0.006%. Dimensions: 17 1/2"W x 3 3/4"H x 10 1/2"D. Warranty: 2 years.

Item #113GE4030 List Price: \$249 **YOUR LOW PRICE: \$199**



Kenwood GE-7030

The GE-7030 offers expanded flexibility with 14 bands of equalization and a 27-band spectrum analyzer. Its frequency shuttle dial lets you quickly select bands for adjustment, or scan through the 30 available preset curves (5 EQ patterns in each of 6 preset categories) for optimum sound. The 3-position parametric EQ is useful for fine-tuning your results and canceling out standing waves caused by room acoustics or annoying resonances in the original recording. And microphone mixing lets you add a personal touch. *Call for availability.*

Specifications: Frequency Response 10-70,000 Hz (± 3 dB), Signal-to-Noise ratio 100 dB, THD 0.006%. Dimensions: 17 1/2"W x 5 1/4"H x 14 1/4"D. Warranty: 2 years.

Item #113GE7030 List Price: \$379 **YOUR LOW PRICE: \$299**

Free Information

Want to know more about audio or video gear and how you can get more out of it? Ask for any of these Crutchfield Consumer Information Guides. They're free with any purchase.

And of course, don't forget our guidebook "Putting Together a Home Stereo." Recently updated with sections on Home Theater, DAT, Subwoofers and more, this 32-page booklet is packed with ideas and explanations that will help you better understand your system so you can get the most out of it.



- Compact Discs..... Item #000CD
- Cassette Noise Reduction Systems..... Item #000CASSNR
- Loudspeaker Placement..... Item #000SPEAKPL
- Basic Camcorder Techniques..... Item #000CAMTECH
- Hooking Up Your VCR..... Item #000VCRHELP
- Choosing Blank Videocassettes..... Item #000VIDEOTP
- Choosing Blank Audio Cassettes..... Item #000AUDIOTP
- Dolby HX Pro..... Item #000HXPRO
- Home Theater..... Item #000HMTHETR
- FM Cable through Your Home Receiver..... Item #000FMCABLE

There is no more convenient way to enjoy go-anywhere music than on cassette tape. For listening at home, in the car as you drive, or while jogging with a Walkman, cassettes have become the world standard for portable music.

Cassette deck performance has improved dramatically during the past several years. Today's modestly-priced decks will outperform very expensive models of just a few years ago. And our microprocessor-controlled models provide convenience features never before available.

Select a Deck that Fits Your Listening Habits

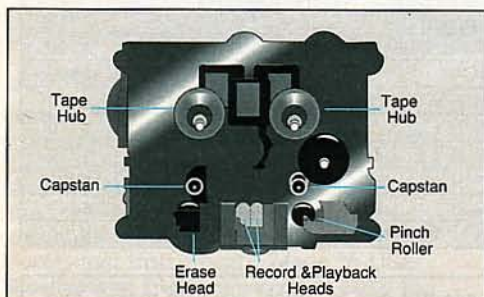
We offer a wide selection of both single- and dual-transport cassette decks. If you simply want to make copies of LPs or CDs, go with the best single-transport deck that fits your budget. Check the Specifications chart on page 92, paying special attention to:

1) Frequency Response—a good deck should be able to record and play back nearly the entire frequency band of human hearing from 20-20,000 Hz. Better high frequency response means a deck will do a better job of capturing subtle musical details. We list two response figures: one for metal tape and one for high bias chrome tape. Make your decision according to the type you normally use.

2) Signal-to-Noise Ratio—this measurement is taken using a deck's most powerful noise reduction system and indicates how well the deck overcomes tape hiss. The higher the number, the quieter your recordings will be.

3) Wow and Flutter—this spec indicates speed accuracy; the percentage of Wow and Flutter measures the amount of low- and high-frequency speed fluctuation present. A lower percentage indicates more accurate, stable speed.

For the ultimate in cassette recording and playback accuracy, consider a 3-head machine. Instead of using a combination record/playback head, 3-head models like JVC's TD-V541 (page 96) have a separate head optimized for recording and another specifically designed for playback (all decks must use a separate erase head). This design yields the widest frequency response and allows you to monitor the tape itself as it's being recorded so you can compare the recording to the original source and adjust your levels if necessary. Some 3-head models also use a dual capstan transport for greater tape speed accuracy.



A typical 3-head transport mechanism with dual capstans for tape speed accuracy.

Twin Auto-Reverse tape transports with Record and Play

Dual electronic tape counters

Bias adjustment for more accurate tape type matching (Deck B)



Twin Dolby B & C and Twin Dolby HX Pro

Auto Reverse Mode Selector

High-speed and Normal-speed dubbing

JVC's TD-W805 has two quick auto-reverse record/play transports, twin Dolby B & C and HX Pro, and automatic level setting when recording from a new JVC CD player.

Dubbing Decks

As you can see from the Specifications chart, dual-transport dubbing decks also offer very good performance. However, their biggest advantage is convenience. Dubbing decks have two independent cassette wells, each with its own transport mechanism, heads, and noise reduction. This makes it very easy to copy from one to the other. If cassettes are the main listening medium for you or your friends, a good quality dubbing deck will help you be more creative when making tapes.

Dubbing decks include special features that make copying quicker and easier. Along with normal-speed copying, you can select a high-speed mode which cuts copying time in half. Top-of-the-line models like Kenwood's KX-W8030 have two auto reverse record/play transports that let you record four sides non-stop or make two identical copies simultaneously.

Noise Reduction Systems

A cassette deck's Signal-to-Noise ratio measures how effectively the recording/playback circuitry suppresses tape hiss. Without noise reduction, even the finest cassette decks can only achieve S/N ratios of about 58 dB. All of our decks include both Dolby B and the newer, more powerful Dolby C circuitry. Together, they do an excellent job of removing tape hiss.

The Dolby systems work by selectively boosting high frequencies during recording, then cutting them back by an equal amount during playback. More boost is applied during soft passages, then progressively less as the music gets louder. When the Dolby circuit looks at the overall signal during playback, it cuts the previously boosted signals so that the music sounds normal while tape hiss is dramatically diminished.

The HX Pro system found on more and more decks improves sound in a different way by increasing the tape's recording headroom so that more of the signal can be recorded without causing the audible distortion of "tape saturation." A big advantage

of HX Pro is that it is an "encode only" system: that is, it requires no special circuitry for playback. This means you can enjoy the superior sound of HX Pro tapes on any cassette player, including your car stereo or Walkman.

Convenience Features

Auto reverse is certainly the most popular cassette deck feature. It allows you to record and play both sides of a tape without flipping the cassette over.

Music Search is really a generic name for the feature that lets a cassette deck automatically fast-forward or rewind to the next song and find the exact beginning. Some decks even let you program the number of songs to be skipped. Decks with Blank Skip can zip past long sections of blank tape at the end of a side.

In response to the incredible popularity of CD players, many new cassette decks include features that make copying from CD easier and better sounding (the cassette deck and CD player must be the same brand). One such feature is automatic recording level adjustment where the CD player scans a disc for the highest signal level, then communicates that to the tape deck. Pioneer's CD Deck Synchro lets certain decks and CD changers work in unison to make recordings from multiple discs easier.

If you're shopping for a receiver, too, or already own one, remember that many of these decks are remote compatible with receivers of the same brand.

If you'd like to know more about cassette decks and how you can make better recordings, ask for one of our free Crutchfield Consumer Information Guides listed below, when you order.

Cassette Noise Reduction Systems
#000CASSNR
Dolby HX Pro #000HXPRO
Choosing Blank Audio Cassettes
#000AUDIOTP

Auto Reverse- These decks can play both sides of a tape, without you having to flip it over, using a mechanism that can change direction.

Auto Tape Selector- When you insert a cassette into the deck, bias and equalization are set automatically for the type of tape you're using.

Full Logic Controls- A microprocessor makes this type of control smarter than ordinary mechanical controls. You can move from play to rewind to fast forward without pushing stop.

Frequency Response- Ideally, a deck should reproduce as much of the audible frequency

range (from 20 to 20,000 Hz) as possible. Two values are specified: one for high-bias tapes; one for superior metal tapes.

Music Search- This feature automatically stops at the beginning of a song from fast-forward or rewind.

Noise Reduction- These systems are built in to help overcome tape hiss and background noise. Dolby B removes high-frequency hiss only, while Dolby C works over a wider range. The Dolby HX Pro system improves the tape's ability to capture high-level signals without saturation.

Number of Heads- Two-head machines have a combination record/playback head. Single-head transports indicate play-only.

Number of Motors- Two-motor decks have better speed accuracy by using a precise motor for the normal speed and second high-speed motor for fast-forward and rewind.

Wow and Flutter- An indication of speed accuracy, the percentage of Wow and Flutter tells you how much low- and high-frequency speed fluctuation is present. A lower percentage indicates better performance.

Cassette Deck Features

	No. of Heads	No. of Motors	Noise Reduction	Auto Reverse	Quick Reverse	Music Search	Blank Skip	Auto Tape Selector	Full Logic Controls	Head Type*	Real Time Counter	Mic. Inputs	Remote Compat.	Rec Level Meters
JVC TD-W205	2/1	2/2	B/C/HX	no	no	no	no	yes	yes	HP	no	no	yes	FL
JVC TD-W305	2/1	3/3	B/C/HX	yes	no	no	no	yes	yes	HP	no	no	yes	FL
JVC TD-W505	2/1	4/4	B/C/HX	yes	no	yes	no	yes	yes	HP	no	mixing	yes	FL
JVC TD-W805	2/2	4/4	B/C/HX	yes	yes	yes	no	yes	yes	HP	yes	no	yes	FL
JVC TD-V541	3	3	B/C/HX	no	no	yes	no	yes	yes	HP	yes	no	yes	FL
Kenwood KX-W4030	2/1	1/1	B/C	yes	no	yes	yes	yes	yes	HP	no	no	yes	LED
Kenwood KX-W6030	2/2	1/1	B/C	yes	no	yes	yes	yes	yes	HP	no	no	yes	FL
Kenwood KX-W8030	2/2	2/2	B/C/HX	yes	no	yes	yes	yes	yes	HP	no	no	yes	FL
Kenwood KX-5530	2	2	B/C/HX	yes	no	yes	yes	yes	yes	HP	no	no	yes	FL
Kenwood KX-7030	3	3	B/C/HX	no	no	yes	yes	yes	yes	HP	no	no	yes	FL
Pioneer CTW355R	2/1	1/1	B/C/HX	deck B	no	yes	yes	deck A	yes	HP	no	no	yes	LED
Pioneer CTW450R	2/1	1/1	B/C/HX	yes	no	yes	yes	yes	yes	HP	no	no	yes	LED
Pioneer CTW550R	2/1	2/2	B/C/HX	yes	no	yes	yes	yes	yes	HP	yes	no	yes	FL
Pioneer CTW650R	2/1	2/2	B/C/HX	yes	no	yes	yes	yes	yes	HP	yes	stereo	yes	FL
Pioneer CTW850R	2/1	2/2	B/C/HX	yes	no	yes	yes	yes	yes	HP	yes/twin	no	yes	FL
Proton AD-431	2	2	B/C/HX	yes	yes	yes	no	yes	yes	HP	yes	no	yes	LED
Sony TC-W370	2/1	2/2	B/C	no	no	yes	no	yes	yes	HP	no	no	yes	LED
Sony TC-WR570	2/1	2/2	B/C/HX	yes	no	yes	no	yes	yes	HP	no	no	yes	LED
Sony TC-WR670	2/2	2/2	B/C/HX	yes	no	yes	yes	yes	yes	HP	no	no	yes	LED
Sony TC-WR775	2/2	2/2	B/C/HX	yes	no	yes	yes	yes	yes	HP	no	no	yes	FL
Sony TC-RX470	2	3	B/C/HX	yes	yes	yes	no	yes	yes	SD	no	stereo	yes	FL
Sony TC-K670	3	3	B/C/HX	no	no	yes	no	yes	yes	HP	no	no	yes	FL

* HP - Hard Permalloy; SD - Sendust

Cassette Deck Specifications

	Frequency Response, Metal Tape	Frequency Response, High Bias	Wow & Flutter	Best Signal to Noise, dB	Harmonic Distortion	Fast Winding Time, C-60 seconds	Dimensions	Warranty	List Price	Your Price
JVC TD-W205	30-16,000	30-15,000	0.08%	78	0.8%	110	17 1/4"W x 5 1/4"H x 13"D	1 year	\$200	\$149
JVC TD-W305	30-16,000	30-15,000	0.08%	78	0.8%	110	17 1/4"W x 5 1/4"H x 13"D	1 year	\$250	\$199
JVC TD-W505	30-16,000	30-15,000	0.08%	78	0.8%	110	17 1/4"W x 5 1/4"H x 13"D	1 year	\$295	\$229
JVC TD-W805	30-16,000	30-15,000	0.08%	78	0.8%	110	17 1/4"W x 5 1/4"H x 12 1/2"D	1 year	\$380	\$299
JVC TD-V541	15-19,000	15-17,000	0.023%	79	0.7%	100	17 1/4"W x 5 1/4"H x 13 1/2"D	1 year	\$380	\$299
Kenwood KX-W4030	20-20,000	20-18,000	0.08%	72	0.6%	110	17 1/2"W x 5 1/2"H x 10 1/2"D	1 year	\$229	\$199
Kenwood KX-W6030	20-20,000	20-18,000	0.08%	72	0.6%	110	17 1/2"W x 5 1/2"H x 10 1/2"D	1 year	\$299	\$249
Kenwood KX-W8030	20-20,000	20-19,000	0.06%	72	0.6%	95	17 1/2"W x 5 1/2"H x 10 1/2"D	1 year	\$379	\$299
Kenwood KX-5530	20-18,000	20-17,000	0.06%	73	0.9%	90	17 1/2"W x 5"H x 10 1/2"D	1 year	\$299	\$229
Kenwood KX-7030	20-20,000	20-19,000	0.045%	75	0.7%	80	17 1/2"W x 5"H x 12 1/4"D	1 year	\$379	\$299
Pioneer CTW355R	30-16,500	30-16,000	0.10%	75	0.8%	120	16 1/2"W x 4 3/4"H x 10 1/2"D	1 year	\$240	\$179
Pioneer CTW450R	30-16,500	30-16,000	0.10%	75	0.8%	120	16 1/2"W x 4 3/4"H x 10 1/2"D	1 year	\$270	\$219
Pioneer CTW550R	20-19,000	20-18,000	0.10%	76	0.8%	90	16 1/2"W x 5 1/2"H x 10 1/2"D	1 year	\$330	\$269
Pioneer CTW650R	20-19,000	20-18,000	0.10%	76	0.8%	90	16 1/2"W x 5 1/2"H x 10 1/2"D	1 year	\$385	\$319
Pioneer CTW850R	20-20,000	20-19,000	0.055%	76	0.7%	90	16 1/2"W x 5 1/2"H x 12 1/2"D	1 year	\$500	\$399
Proton AD-431	30-18,000	30-17,000	0.06%	72	1.3%	na	17 1/2"W x 4 3/4"H x 12 1/2"D	1 year	\$300	\$269
Sony TC-W370	30-15,000	30-15,000	0.08%	73	1.0%	90	17"W x 4 1/4"H x 11 1/4"D	1 year	\$200	\$159
Sony TC-WR570	30-15,000	30-15,000	0.08%	73	1.0%	90	17"W x 4 1/4"H x 11 1/4"D	1 year	\$225	\$179
Sony TC-WR670	30-15,000	30-15,000	0.07%	73	1.0%	90	17"W x 5 1/4"H x 11 1/4"D	1 year	\$280	\$229
Sony TC-WR775	30-18,000	30-17,000	0.07%	73	1.0%	90	17"W x 5 1/4"H x 11 1/4"D	1 year	\$330	\$279
Sony TC-RX470	30-16,000	30-15,000	0.06%	73	1.0%	90	17"W x 4 1/4"H x 11 1/4"D	1 year	\$295	\$249
Sony TC-K670	20-20,000	20-18,000	0.05%	75	1.0%	90	17"W x 4 1/4"H x 11 1/4"D	1 year	\$350	\$299



Your in-depth specifications and product comparison charts are a joy... This proves you are not out to "push" specific makes and models for high profits.

Robert H., Electronics Technician, New York, NY

Sony TC-W370

Interested in adding a quality dubbing deck to your system without making a big investment? At just \$159, Sony's TC-W370 should grab your attention. Unlike some dubbing decks in this price range that use only a single motor to drive each deck, the TC-W370 offers the high reliability and performance of a 4-motor drive system. High density hard permalloy heads guarantee years of excellent performance. Dolby B & C noise reduction systems virtually eliminate distracting tape hiss. Use the high-speed dubbing feature, and you'll zip through a dubbing session in half the normal time. And you'll enjoy the Relay Play function for longer, uninterrupted playback. The TC-W370 is remote compatible with Sony's remote receivers so it's a natural addition to your Sony system. Compare the TC-W370 to other similarly-priced dubbing decks and you'll agree that Sony offers more deck for the dollar.

Item #156TCW370 List Price: \$200 **YOUR LOW PRICE: \$159**



Features: High speed/normal speed dubbing, Dolby B/C, feather-touch full-logic controls, Relay Play, high density heads, 4-motor drive system, headphone output, remote compatible with Sony remote receivers. **Specifications:** Frequency Response (± 3 dB) 30-15,000 Hz, Signal-to-Noise ratio 73 dB (Dolby C), Wow and Flutter 0.08%. Dimensions: 17"W x 4 1/4"H x 11 1/4"D. Warranty: 1 year.

Sony TC-WR570 / TC-WR670

With double auto-reverse and full-logic operation, these dubbing decks are two of the best deals going. For only \$179, Sony's TC-WR570 boasts an impressive array of performance features. You can copy both sides of a tape with the press of a button, and play both sides of two tapes without interruption. And feather-touch full-logic controls let you change direction of the tape without pressing "Stop." High speed dubbing and Dolby B & C let you make clean copies in a snap. Dolby HX Pro extends high frequency headroom, so your recordings will retain the clarity and brilliance you hear when listening to compact discs. And quality comes standard with Sony. The high density hard permalloy heads and precise 4-motor drive system will give you great performance for years to come. For even greater flexibility, the TC-WR670 offers record capability on both decks. Both models are remote compatible with Sony remote receivers. *TC-WR570 is pictured.*

Item #156TCWR570 List Price: \$225 **YOUR LOW PRICE: \$179**

Item #156TCWR670 List price: \$280 **YOUR LOW PRICE: \$229**



Features: Auto-reverse record (deck B) and auto-reverse playback (both decks), Dolby B and C & HX Pro, high speed/normal speed dubbing, feather-touch full-logic controls, Relay Play, high density heads, 4-motor drive system, headphone output, remote compatible with Sony remote receivers. *TC-WR670 adds dual record capability.* **Specifications:** Frequency Response (± 3 dB) 30-15,000 Hz, Signal-to-Noise ratio 73 dB (Dolby C), Wow and Flutter 0.08%. Dimensions: 17"W x 4 1/4"H x 11 1/4"D; [TC-WR670] 17"W x 5 3/8"H x 11 1/4"D. Warranty: 1 year.

Sony TC-WR775

Sony makes no compromises when they design and build their cassette decks. And their formula is no secret. It combines quality construction, superior sound reproduction, and features you'll actually enjoy using. The high-end TC-WR775's flexibility is unsurpassed with auto reverse record/playback on both decks and simultaneous recording capability. You can dub tapes with normal or high-speed, or make two recordings at one time when recording from your CD player, turntable, or any other source. For quieter recordings and greater dynamic range, Dolby B & C and HX Pro are included. The Relay Play feature, combined with auto reverse, provides endless hours of listening enjoyment. Dual electronic tape counters let you precisely monitor each deck. And the TC-WR775 is remote compatible with Sony receivers. This outstanding level of performance, for just \$279, is what makes Sony...Sony!

Item #156TCWR775 List Price: \$330 **YOUR LOW PRICE: \$279**



Features: Auto-reverse record/playback (both decks), dual record capability, high speed/normal speed dubbing, Dolby B & C and HX Pro, feather-touch full-logic controls, Relay Play, dual fluorescent electronic tape counters, high density heads, 4-motor drive system, headphone output with level control, remote compatible with Sony remote receivers. **Specifications:** Frequency Response (± 3 dB) 30-18,000 Hz, Signal-to-Noise ratio 73 dB (Dolby C), Wow and Flutter 0.07%. Dimensions: 17"W x 5 3/8"H x 11 1/4"D. Warranty: 1 year.

Sony TC-RX470

If you've been waiting for a well-built, full-featured single cassette deck you can afford, this Sony's the one. Along with the convenience of feather-touch full-logic controls, the TC-RX470's smooth 3-motor auto-reverse transport makes operation exceptionally enjoyable. Whether playing or recording, you'll never have to stop and turn over the tape. And by sensing the leader at either end of the tape (and immediately reversing direction), the TC-RX470's Quick Reverse feature assures that you won't miss any of your music. Sony's high density Sendust heads not only get more signal on the tape, they also last longer than ordinary heads. With Dolby B, C and HX Pro built in, you'll have no trouble making life-like, super-quiet recordings. Whether making a custom tape or searching for a particular musical passage, the electronic tape counter allows pinpoint accuracy. And its stereo microphone inputs let you convert your living room into a private recording studio!

Item #156TCRX470 List Price: \$295 **YOUR LOW PRICE: \$249**



Features: Auto-reverse record/play, Quick Reverse, Dolby B & C and HX Pro, feather-touch full-logic controls, 3-motor drive system, power assisted loading, Automatic Music Sensor, auto tape EQ selector, high density Sendust heads, stereo microphone inputs, headphone output, electronic counter, remote controllable with Sony receivers. **Specifications:** Frequency Response (± 3 dB) 30-16,000 Hz, Signal-to-Noise ratio 73 dB (Dolby C), Wow and Flutter 0.06%. Dimensions: 17"W x 4 1/4"H x 11 1/4"D. Warranty: 1 year.

Sony TC-K670

The 3-head TC-K670 is Sony's answer to the audiophile's quest for professional recording quality in a home cassette deck. Using separate high-density heads for record and playback, it allows you to monitor directly off the tape during recording—just like professional studios. The TC-K670's Fine Bias adjustment lets you hand tweak bias level to match what ever tape you're using. Dolby B and C help produce recordings free of noise and tape hiss, while Dolby HX Pro extends dynamic headroom to accurately capture those crucial higher frequencies. And the TC-K670's smooth 3-motor drive provides two benefits: better sound quality and less wear on your tapes. Experience a new level of cassette performance—for under \$300.

Item #156TCK670 List Price: \$350 **YOUR LOW PRICE: \$299**



Features: 3-head design, closed-loop dual-capstan transport, three drive motors, cassette stabilizer, Dolby B & C and HX Pro, Fine Bias adjustment, power loading, Automatic Music Sensor, feather-touch full-logic controls, electronic tape counter, headphone output with volume control, remote compatible with Sony receivers. **Specifications:** Frequency Response (± 3 dB) 20-20,000 Hz, Signal-to-Noise ratio 75 dB (Dolby C), Wow and Flutter 0.05%. Dimensions: 17"W x 4"H x 11"D. Warranty: 1 year.

Pioneer CT-W355R / CT-W450R

Pioneer makes dubbing conveniences much more affordable with these good-looking dual cassette decks. The smart, full-logic CT-W355R offers auto-reverse record and playback on deck B, and one-direction play on deck A. High speed dubbing lets you make copies in half the normal time, and Dolby B, C & HX Pro assure they'll sound clean and free of distracting tape hiss. Playback features include Relay Play for extended listening enjoyment, and Track Skip Search and Blank Skip to help locate songs in a hurry. Pioneer's CD Deck Synchro provides an advanced communications line between their cassette decks and CD players that makes CD-to-tape copying super easy. The CT-W450R adds auto-reverse playback on deck A, and a headphone output for your private listening. *CT-W450R is pictured.*

Item #130CTW355R List Price: \$240 **NEW LOW PRICE: \$179**

Item #130CTW450R List Price: \$270 **YOUR LOW PRICE: \$219**



Features: Auto-reverse record/play (deck B) and one-direction play (deck A), full-logic controls, normal/high speed dubbing, Dolby B & C and HX Pro, Relay Play, Track Skip Search, Blank Skip, auto tape type selector, CD Deck Synchro. **Specifications:** Frequency Response (± 6 dB) 30-16,500 Hz, Signal-to-Noise ratio 75 dB (Dolby C), Wow and Flutter 0.10%. Dimensions: 16"W x 4"H x 10"D. Warranty: 1 year.

Pioneer CT-W550R / CT-W650R

For dubs that sound as good as the original recordings, try one of these smooth operators from Pioneer. Along with auto-reverse record/play on deck B and playback on deck A, the CT-W550R offers normal/high speed dubbing, Dolby B and C for virtually hiss-free recording, and HX Pro for life-like reproduction of the music's higher frequencies. Pioneer's Track Skip Search feature can zero in on any song up to 15 tracks away, forward or back! And other features like Blank Skip and Relay Play make it easy and enjoyable to use. Design highlights include a rigid honeycomb chassis for vibration resistance, an electronic tape counter, and a headphone output. The CT-W650R adds Auto BLE (Bias, Level, Equalization) to get the most out of any tape, an anti-resonance cassette stabilizer, and microphone inputs. *CT-W650R is pictured.*

Item #130CTW550R List Price: \$330 **YOUR LOW PRICE: \$269**

Item #130CTW650R List Price: \$385 **YOUR LOW PRICE: \$319**



Features: Auto-reverse record/play (deck B) and play (deck A), fluorescent Peak hold display, Dolby B & C and HX Pro, MPX Filter, normal/high speed dubbing, auto tape type selector, Track Skip Search, Blank Skip, Relay Play, CD Deck Synchro, headphone output, electronic tape counter. **Specifications:** Frequency Response (± 6 dB) 20-19,000 Hz, Signal-to-Noise ratio 76 dB (Dolby C), Wow and Flutter 0.10%. Dimensions: 16"W x 5"H x 10"D. Warranty: 1 year.

Pioneer CT-W850R

If you plan to do a lot of dubbing, take a look at what this deck offers. You not only get normal/high speed dubbing, and auto tape type selector, but also a dubbing level adjustment that lets you manually tweak recording levels. Or touch Auto BLE (Bias, Level, Equalization) and sit back while a microprocessor calibrates and optimizes levels for whatever tape you're using. Both decks include auto-reverse operation (record/play on deck B and play on deck A), Dolby B & C noise reduction, and Dolby HX Pro. Two electronic tape counters keep you informed every step of the way. Convenience features include Track Skip Search, Blank Skip, Relay Play, headphone output, and CD Deck Synchro. And its vibration-resistant design incorporates a sturdy honeycomb chassis, cassette stabilizer, and large insulator feet. You're in quiet control with Pioneer's remarkable CT-W850R!

Item #130CTW850R List Price: \$500 **YOUR LOW PRICE: \$399**



Features: Auto-reverse record/play (deck B) and play (deck A), fluorescent Peak Hold display, Auto Bias, Dolby B & C and HX Pro, multiplex filter, normal/high speed dubbing, dubbing level adjustment, auto tape type selector, CD Deck Synchro, Track Skip Search, Blank Skip, Relay Play, headphone output, dual electronic tape counters, cassette stabilizer, large insulator feet. **Specifications:** Frequency Response (± 6 dB) 20-20,000 Hz, Signal-to-Noise ratio 76 dB (Dolby C), Wow and Flutter 0.05%. Dimensions: 16"W x 5"H x 12"D. Warranty: 1 year.

Kenwood KX-5530

Their latest line of cassette decks offer a level of performance and the style you've come to expect from Kenwood. The KX-5530's auto-reverse full-logic operation, together with automatic tape type selector and auto bias, produce quality recordings with ease. Today, many systems include CD players, so it's essential that your cassette deck be able to minimize tape hiss while accurately recording the maximum signal possible. The KX-5530 not only has Dolby B & C noise reduction, but also HX Pro circuitry for recordings that sound cleaner and more dynamic. Playback is convenient too, with Kenwood's Direct Program Search System which can locate any song up to 16 tracks away in either direction, and A-B Block Repeat for reviewing a particular section of a song or just trying to catch the lyrics.

Item #113KX5530 List Price: \$299 **YOUR LOW PRICE: \$229**



Features: Auto-reverse, feather-touch full-logic controls, Dolby B & C and HX Pro, Computer-Controlled Recording System, Direct Program Search System, A-B Block Repeat, fluorescent level meters, tape path stabilizer, auto bias, bias preset memory, auto tape type selector, power eject, auto fader control. **Specifications:** Frequency Response ($\pm 3\text{dB}$) 20-18,000 Hz, Signal-to-Noise ratio 73 dB (Dolby C), Wow and Flutter 0.06%. Dimensions: 17 $\frac{1}{2}$ "W x 5"H x 10 $\frac{1}{2}$ "D. Warranty: 1 year.

Kenwood KX-W4030 / KX-W6030

For an exciting mix of performance features and a price that's music to the ears, try one of these dual cassette decks. Kenwood's full-logic KX-W4030 offers auto-reverse playback on both decks and auto-reverse record on deck B. Dolby B & C noise reduction systems are included to eliminate tape hiss, and high-speed dubbing lets you make copies in a flash. Other design features include auto tape type selector, Relay Play, and high-speed CD-to-cassette dubbing (when used with a Kenwood CD player). Direct Program Search lets you skip to any song up to 16 tracks away, or repeat a favorite selection. The KX-W6030 adds auto-reverse record on both decks and Relay Record—a combination that's rare for under \$250! KX-W4030 is pictured.

Item #113KXW4030 List Price: \$229 **YOUR LOW PRICE: \$199**

Item #113KXW6030 List Price: \$299 **YOUR LOW PRICE: \$249**



Features: Auto-Reverse record (deck B) and play (both decks), feather-touch full-logic controls, Dolby B & C, fluorescent display, digital peak meter, electronic tape counter, Index Scan and Blank Skip (deck A), auto tape type selector, normal/high speed dubbing, Relay Play, separate record and balance controls, high-speed CD-to-cassette dubbing, Computer-Controlled CD Recording System, Direct Program Search System. KX-W6030 adds auto-reverse record on both decks, Relay Record. **Specifications:** Frequency Response ($\pm 3\text{dB}$) 20-20,000 Hz, Signal-to-Noise ratio 72 dB (Dolby C), Wow & Flutter 0.08%. Dimensions: 17 $\frac{1}{2}$ "W x 5 $\frac{1}{2}$ "H x 10 $\frac{1}{2}$ "D. Warranty: 1 year.

Kenwood KX-W8030

For a higher level of dubbing convenience, step up to the advanced KX-W8030. You'll enjoy ease of operation and recording flexibility with 2-motor full-logic transports and auto-reverse record and playback on both decks. Along with Dolby B & C noise reduction, HX Pro is added for improved upper-frequency clarity. Deck-to-deck conveniences include normal and high-speed dubbing, Relay Play, Relay Record, and Parallel Record for making two recordings at the same time. And for optimum recording results, dual auto bias and separate record level and record balance controls are available. The KX-W8030's extensive Direct Program Search functions include playback after rewind, continuous Relay Play for up to 16 times, and a Zero Stop feature that rewinds or fast-forwards the tape to the zero position on the tape counter.

Item #113KXW8030 List Price: \$379 **YOUR LOW PRICE: \$299**



Features: Auto-reverse record/play (both decks), 2-motor full-logic tape transport (both decks), Dolby B & C and HX Pro, normal/high speed dubbing, Relay Play, Relay and Parallel Record, separate record level and record balance controls, fluorescent display, dual linear tape counters, Direct Program Search System, auto tape type selector, Computer-Controlled CD Recording System, dual auto bias adjustment. **Specifications:** Frequency Response ($\pm 3\text{dB}$) 20-20,000 Hz, Signal-to-Noise ratio 72 dB (Dolby C), Wow and Flutter 0.06%. Dimensions: 17 $\frac{1}{2}$ "W x 5 $\frac{1}{2}$ "H x 10 $\frac{1}{2}$ "D. Warranty: 1 year.

Kenwood KX-7030

When the finest details are of utmost importance, Kenwood's KX-7030 is the choice. Designed with audiophiles in mind, the KX-7030 uses 3 heads (record, playback, and erase) for discrete operation and tape monitoring during recording. Its 3-motor transport provides full-logic operation and exceptional durability. The Closed-Loop Dual Capstan Drive and tape path stabilizer will ensure maximum tape-to-head contact and suppression of any minute internal resonances. Add in Dolby B & C, HX Pro, and auto bias, and you have the capability to create recordings as rich as the original source. Other than impeccable recording and playback, you'll enjoy Direct Program Search conveniences that include 16-track access, single-selection repeat, play after rewind, and continuous play for up to 8 times.

Item #113KX7030 List Price: \$379 **YOUR LOW PRICE: \$299**



Features: 3-head system, 3-motor transport, feather-touch full-logic controls, Closed-Loop Dual Capstan Drive, Dolby B & C and HX Pro, tape path stabilizer, auto bias adjustment with memory presets, Direct Program Search System, power eject, A-B Block Repeat, auto tape monitor, switchable MPX filter, Peak Search function with Kenwood CD players. **Specifications:** Frequency Response ($\pm 3\text{dB}$) 20-20,000 Hz, Signal-to-Noise ratio 75 dB (Dolby C), Wow and Flutter 0.045%. Dimensions: 17 $\frac{1}{2}$ "W x 5"H x 12 $\frac{1}{2}$ "D. Warranty: 1 year.

JVC TD-W205 / TD-W305

JVC cassette decks are known for high reliability and performance throughout their line-up, and these two dubbing decks maintain those high standards. Each tape transport has its own DC motor system for longer life and more accurate tape movement, as well as full-logic controls that make using these decks more convenient. Both decks also include Dolby B & C, and Dolby HX-Pro for recording the wider dynamic range of compact discs. And since both these decks sport JVC's new titanium finish, they've also upgraded the display panels with faster-reacting fluorescent peak meters and a digital tape counter. The TD-W305 adds auto-reverse in both transports for longer unattended recording or playback. *TD-W305 is pictured.*

Item #111TDW205 List Price: \$200 **YOUR LOW PRICE: \$149**

Item #111TDW305 List Price: \$250 **YOUR LOW PRICE: \$199**

JVC TD-W505

The TD-W505 includes features you won't find on similarly-priced decks. Both transports use JVC's Hi-Fi U-Turn auto-reverse system for full frequency response no matter which way the tape is traveling. Full-logic controls and Music Scan on both decks make it easy for you to quickly locate your favorite songs. Musicians and singers will appreciate the microphone input and the pitch control. With Dolby B & C, HX Pro and one-touch high speed dubbing, you can make quality dubs, fast and easy. What's really amazing is that with all these features, you're not short-changed on the TD-W505's "guts." For example, Deck A and Deck B each use four motors for improved reliability. The motor-driven cassette doors open and close with the touch of a button.

Item #111TDW505 List Price: \$295 **YOUR LOW PRICE: \$229**

JVC TD-W805

JVC's very best dubbing deck, the TD-W805, distinguishes itself with its twin Hi-Fi quick auto-reverse; you can record both sides of two tapes in consecutive order or record the same program on two tapes at once. The Synchro dubbing feature puts the recording and playback transports in perfect sync for clean, edited tapes without fuss or error. There are also separate Dolby B and C noise reduction systems for each well, plus separate HX Pro systems to handle the wider dynamic range of digital programs. Music Scan in both wells helps you track down songs in a hurry. In addition to the titanium finish, you also get an easy-to-read fluorescent display with a separate digital counter for each tape well, and a headphone output. The combined excellence of appearance, feel, and performance just doesn't seem possible for only \$299.

Item #111TDW805 List Price: \$380 **YOUR LOW PRICE: \$299**

JVC TD-V541

Meeting the challenge of recording compact discs (wide dynamic range, almost overwhelming detail, and high musical energy levels) is a job for the new TD-V541. Its 3-head design has one head optimized for recording, another for playback, and a third for erasing. The direct-drive transport is a closed-loop dual-capstan design; a short-hand way of saying it is rock-steady from the beginning of the tape to the very end. "Direct" inputs let you run any line-level source (CD, DAT, tape) straight into the recording head. What's more, an adjustable Bias control gives you the advantage of "brightening up" or toning down your recordings according to the type of tape you're using. Conveniences include the ability to turn off the fluorescent display, full-logic controls, Music Scan, and a headphone output.

Item #111TDV541 List Price: \$380 **YOUR LOW PRICE: \$299**



Features: Full-logic controls, playback on Deck A, record/playback on Deck B, Dolby B & C, HX Pro (Deck B), high speed/normal dubbing, continuous play of two tapes, auto tape type selector, fluorescent metering, auto tape type selector, headphone output. TD-W305 adds Hi-Fi U-Turn auto-reverse system (Decks A & B). **Specifications:** Frequency Response ($\pm 3\text{dB}$) 30-16,000 Hz, Signal-to-Noise ratio 78 dB (Dolby C), Wow and Flutter 0.08%. Dimensions: 17 1/4" W x 5 1/4" H x 13"D. Warranty: 1 year.



Features: Twin Hi-Fi U-Turn auto-reverse, playback on Deck A, record/playback on Deck B, Dolby B & C, HX Pro (Deck B), full-logic controls, music search, normal/high speed dubbing, mic input, pitch control (Deck A), headphone output, auto tape type selector, fluorescent peak metering and digital tape counter, motorized cassette doors, remote controllable through JVC receivers. **Specifications:** Frequency Response ($\pm 3\text{dB}$) 30-16,000 Hz, Signal-to-Noise ratio 78 dB (Dolby C), Wow and Flutter 0.08%. Dimensions: 17 1/4" W x 5 1/4" H x 13"D. Warranty: 1 year.



Features: Twin Hi-Fi U-Turn quick auto-reverse, twin play/record, twin Dolby B & C, twin HX Pro, Music Scan (both wells), full-logic controls, normal/high speed dubbing, auto tape selector, Relay Play and Record, dual tape counters, motorized cassette doors, headphone output, remote controllable through JVC receivers. **Specifications:** Frequency Response ($\pm 3\text{dB}$) 30-16,000 Hz, Signal-to-Noise ratio 78 dB, Wow and Flutter 0.08%. Dimensions: 17 1/4" W x 5 1/4" H x 13"D. Warranty: 1 year.



Features: 3-head system, closed-loop dual-capstan direct drive, Dolby B & C, Dolby HX Pro, full-logic controls, "Direct" inputs, Music Scan, display on/off, digital tape counter, Music Scan, electric eject, timer start, headphone output, gold-plated jacks, adjustable bias control. **Specifications:** Frequency Response ($\pm 3\text{dB}$) 15-19,000 Hz, Signal-to-Noise ratio 79 dB (Dolby C), Wow and Flutter 0.023%. Dimensions: 17 1/4" W x 5 1/4" H x 13 1/4" D. Warranty: 1 year.

Without question, your loudspeakers are the most critical component in your home audio system. It's easy to understand why. While all your other components process electrical signals (amplifying, equalizing, etc.), you actually *listen* to your loudspeakers. How well they do their job determines how your entire system sounds.

How They Work

Loudspeakers are deceptively complex. They have the difficult job of turning your amplifier's electrical energy into mechanical energy, to move the drivers (cones or domes) in and out. This mechanical vibration creates the sound waves our ears respond to as music. A loudspeaker system is made up of three parts. The crossover network divides the frequencies into two or three separate bands which are sent to the appropriate drivers. The drivers are actually motors attached to diaphragms which move air (woofer cones for low frequencies, midrange cones for the middle frequencies, and tweeter cones or domes for

suspension designs use completely sealed, air-tight enclosures. Most of the woofer cone's back waves (the sound produced when the cone moves backwards, into the enclosure) are absorbed inside. There are no other outlets for the sound (such as a port), so the bass sound that goes into the room comes only from the forward cone movement. This design produces very tightly controlled bass output which generally sounds more accurate, not exaggerated or booming. But, to gain this accuracy you have to give up some efficiency. It will take more amplifier power for an acoustic suspension speaker to play as loud as a bass reflex design. And very large enclosures are required to reproduce the lowest bass notes.

2. Bass Reflex

As a way to get more bass output from an enclosure, a speaker engineer can add a port, a hole in the box tuned to a specific frequency. This port causes the box to resonate at that frequency, so the lowest part of the woofer's output range is enhanced. By channeling the woofer's back-wave energy through this tuned port, there is a substantial gain in efficiency. In other words, a bass reflex design will play louder than an acoustic suspension design using the same amount of power. But, once again, there is a price to be paid. This time you must sacrifice some measure of control and accuracy for the added bass punch. If your tastes lean toward rock music or loud volume levels, bass reflex may be the way to go.

3. Satellite/Subwoofer Systems

The latest trend in speakers is represented by the three-piece systems. Here small satellite enclosures are used for the tweeters and midranges. A separate specially designed enclosure houses the woofers.

There are some definite advantages to the 3-piece design. Because the satellites have such a small baffle area (the panel on which the drivers are mounted), they can produce a more 3-dimensional soundstage than most large enclosures are capable of.

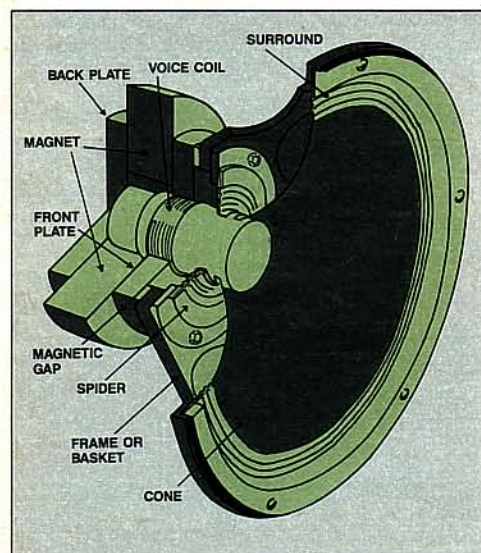
In rooms where space is tight, or where speakers will be appreciated more when heard but not seen, you'll like the fact that the subwoofer module can be placed almost anywhere. Because it only reproduces very low, non-directional frequencies, you can hide the subwoofer under a table or couch, or behind your draperies.

Unique subwoofer enclosures, like Bose's Acoustimass design, can produce prodigious amounts of bass from a surprisingly small box. Coupled with the small satellites, you get a true full-range system without sacrificing your living space.

Room Placement Tips

Another very important part of loudspeaker performance is how they interact with your room. You can't always arrange your room around your system, but where you position the loudspeakers can have a dramatic effect on the way your music sounds. Room boundaries (the walls and floor) tend to reflect bass frequencies, so placing the speaker on the floor and in a corner will often result in a boomy and muddy sound. On the other hand, positioning a bass-shy speaker near a wall can help augment the lows for a more satisfying sound.

To produce an accurate stereo image, your speakers should be placed at least six feet apart and aimed directly toward your listening position. Furniture and carpeting will absorb middle and high frequencies, so it's important to position the tweeters at ear level. Very often simply putting your speakers on stands will remarkably improve their sound quality, and pulling the speakers out from the wall six to twelve inches will generally increase the front-to-rear depth of the sound. The best advice is to experiment freely with room placement and to use your own ears as a guide. Every room is different, and you'll find that even slight changes in placement can make a big difference.



Here are the working parts of a loudspeaker driver.

the highs). The drivers are placed in enclosures, acoustic boxes which play a vital role in the overall sound of the system.

3 Types of Loudspeaker Systems

Because of the complexity of the job they do, there is no such thing as the perfect loudspeaker system. So many variables have to be balanced and so many compromises have to be made that loudspeaker design is really more of an art than a science. The type of enclosure used by the designer has a major influence on what the system will (and will not) be able to do. The most challenging task is how to reproduce the long wavelengths of deep bass notes. There are three basic approaches.

1. Acoustic Suspension

As pioneered by AR in the 1950s, acoustic

- Elevating your tweeters to ear level provides the best sonic image.
- The distance between your speakers and the wall (or walls) affects bass response. Positioning your speakers closer to a wall enhances bass response.
- Adjusting the distance between speakers can improve stereo imaging. If the room is deep and your listening position is a distance away, you'll want speaker placement to be farther apart, and vice versa. Angling speakers slightly inward toward the listening position can also improve imaging.



Why buy speakers by mail?

There is only one place where you can properly evaluate a loudspeaker system: your own listening room. That's why we invite you to try any pair you're interested in for up to 30 days. Live with them. Listen to different types of music. Play around with the placement in your room. Then, if you're not fully satisfied, give us a call. You can try a different pair, or we'll give you your money back. The choice is yours. That's what Crutchfield's 30-day Total Satisfaction Guarantee means.

No matter how many loudspeakers you

listen to in stores, you never know what one really sounds like until you get it home. The average demo room filled with speakers is arguably the worst place to evaluate different models. The other speaker enclosures in the room tend to absorb the output from the pair you're listening to, significantly coloring the sound. And, with a sales clerk breathing down your neck, you might not feel you have enough time to make the right choice. Because your speakers are such a vitally important part of your system (after all, they're what you actually listen to), there ought to be a better way to buy them.

At Crutchfield, we believe you should

have a chance to hear your new speakers in your home. It's the only way we know of to guarantee you'll be happy with your selection.

Give us a call, toll-free, and we'll discuss your listening habits and preferences with you. We'll recommend the speakers that are best suited to your tastes and ship them promptly, right to your door. Live with your new speakers for the next 30 days, and hear how much better your music sounds. You can rest assured that with Crutchfield's 30-day Total Satisfaction Guarantee, you just can't make a mistake on your new speakers.

Loudspeaker Terms and Definitions

Acoustic Suspension—an enclosure type that utilizes a completely sealed box, providing the most accurate, "tight" bass response. But, Acoustic Suspension models are usually less efficient than other designs, and therefore require a little more power.

Bass Reflex—an enclosure that uses a tuned port for extended bass response. A very power-efficient design, but you give up some accuracy in exchange for the extra bass output.

Crossover—an electronic device which divides the music into frequency bands, sending the lowest frequencies to the woofer, middle frequencies to the midrange driver (if present), and the highs to the tweeters.

Efficiency—also called Sensitivity, this measurement indicates how well the system converts input power into sound. The output sound pressure level is measured (on axis at a distance of one meter) when a 1-watt test signal is fed in. The higher the number, the more efficient (i.e., louder) the speaker.

Frequency Response—the human ear responds to frequencies from approximately 20 to 20,000 cycles per second, or Hertz. For a loudspeaker system, this measurement shows how much of the audible range can be reproduced.

Impedance—the load value (in ohms) the speakers present to the amplifier. Low impedance speakers (4 ohms or below) can cause problems with certain receivers and amplifiers; check your receiver owner's manual first if you want to use a 4-ohm speaker system.

Maximum Power Handling—the peak, short-term music power the speaker can handle without damage.

Midrange—in a three-way system, this driver handles most vocals and much of the instrumental range, except extreme highs and lows.

Recommended Power Range—specifies the minimum and maximum continuous amplifier power ratings for the best sound quality and safe operation.

Tweeter—a small, lightweight driver for reproducing the highest musical frequencies of violins, cymbals, female vocals, etc.

Woofer—this driver uses a large cone to move the big volume of air necessary to reproduce the long wavelengths of bass instruments and drums.

	Enclosure Type	Tweeter	Midrange	Woofer	Recommended Power Range	Maximum Power Handling	Efficiency (Sensitivity)	Impedance (nominal), ohms	Frequency Response	Recommended Speaker Stand Height (in.)	Listening Preference Recommendations*						
											Acoustical ————— Electronic						
											Classical	Jazz	Easy Listening	Soft Rock, Country	Top 40	Popular Rock, Country	Hard Rock
Advent Mini	Bass Reflex	½" Dome		5¼" Cone	10-40	120	88	6	110-21,000	20-25							
Advent Baby II	Acst Susp	½" Dome		6½" Cone	20-50	150	89	6	60-21,000	20-25							
Advent Prodigy Tower	Acst Susp	¾" Dome		8" Cone	20-75	300	89	6	45-23,000	0-12							
Advent Legacy II	Acst Susp	1" Dome		10" Cone	20-100	500	90	6	42-23,000	8-12							
Advent Laureate	Acst Susp	1" Dome		6½" Cone	20-125	500	90	6	42-23,000								
Advent Heritage	Acst Susp	1" Dome		8" Cone-2	20-150	600	89.5	6	42-23,000								
Cerwin Vega 200SE	Bass Reflex	1" Dome		8" Cone	10-75	100	93	6	32-20,000	8-15							
Cerwin Vega 250SE	Bass Reflex	1" Dome	6" Cone	10" Cone	10-100	125	95	6	32-20,000								
EPI 70-III	Acst Susp	2" Cone		6½" Cone	10-60	90	89.5	8	65-20,000	20-25							
EPI 100-III	Acst Susp	1" Dome		8" Cone	10-80	120	90.5	8	60-20,000	15-25							
EPI 120-III	Bass Reflex	1" Dome	5" Cone	8" Cone	10-120	180	91	8	45-20,000								
Infinity Reference E-L	Acst Susp	½" Dome		5¼" Cone	10-60	100	89	6	70-20,000	20-25							
Infinity Reference One	Acst Susp	¾" Dome	120	6" Cone	10-75	120	90	6	55-25,000	20-25							
Infinity Reference Two	Acst Susp	1" Dome	150	8" Cone	15-100	150	90	6	50-25,000	15-25							
Infinity Reference Three	Acst Susp	1" Dome	5" Cone	8" Cone	20-125	175	90	6	47-25,000	8-12							
Infinity Reference Four	Acst Susp	1" EMIT	5" Cone	8" Cone	25-150	200	90	6	44-40,000								
Infinity Reference Five	Acst Susp	1" EMIT	5" Cone	10" Cone	25-200	250	90	6	40-40,000								
Infinity Reference Six	Acst Susp	1" EMIT	5" Cone 6" Cone	10" Cone	35-225	300	90	6	35-40,000								
Infinity SM 62	Bass Reflex	¾" Dome		6½" Cone	10-60	100	94	8	78-25,000	15-25							
Infinity SM 82	Bass Reflex	1" Dome		8" Cone	10-70	125	98	8	42-27,000	8-16							
Infinity SM 102	Bass Reflex	1" Dome		10" Cone	10-80	150	100	8	35-27,000	0-12							
Infinity SM 112	Bass Reflex	1" Dome	4½" Cone-2	10" Cone	10-90	175	100	8	35-27,000	0-9							
Infinity SM 122	Bass Reflex	1" Dome	4½" Cone-2	12" Cone	10-100	200	100	8	32-27,000								
Infinity Micro	Acst Susp	¾" Dome	3½" Cone	8" Cone	10-50	100	87	6	50-22,000	20-25							
Infinity Infinitesimal 4	Acst Susp	1" EMIT	5¼" Cone	10" Cone	10-80	150	90	6	40-40,000	20-25							
NHT Model Zero	Acst Susp	¾" Dome		4½" Cone	15-50	75	90	8	85-21,000	20-25							
NHT Model 1	Acst Susp	1" Dome		6½" Cone	20-100	150	89	8	65-23,000	20-25							
NHT Model 1.3	Acst Susp	1" Dome		6½" Cone	20-100	150	86	8	52-25,000	8-20							
NHT Model 1.8	Acst Susp	1" Dome	6½" Cone	6½" Cone-2	20-150	200	86	8	43-22,000								
Sony SS-EX5	Acst Susp	¾" Dome		8" Cone	20-75	100	88	8	40-22,000	8-20							

*Darker color indicates better performance and stronger recommendation.

By now, every music lover owns or has at least listened to a CD player. With LP sections in "record" stores shrinking almost daily, and so much more music becoming available on CD, the question is no longer whether or not to buy a CD player, but which one to buy.

One of the first decisions to be made is whether to go with a single-play model or a multi-disc CD changer. CD changers have suffered a bit of an image problem based on the notion, held over from the turntable era, that multi-play changers are inferior to single-play models. While it was true that the sonic performance of most record changers didn't match single-plays (and stacking could sometimes damage records), this is definitely not the case for CD changers. Sound quality is every bit as good as that from single-play models, and the changer mechanism handles CDs very carefully, with absolutely no chance of disc-to-disc contact.

Of course, the big advantage of multi-disc changers is their ability to provide hours of uninterrupted music. And changers make it easy to record "greatest hits" tapes with songs from several discs. Here at Crutchfield, we've noticed more and more people choosing CD changers, and in fact changers account for more than half of all home CD player sales. If you can't decide between a single-play model or a changer, Kenwood's DP-M7730 may be a good choice. Along with a 6-disc magazine, it has a separate single-disc tray.

With so many changer designs available, it's worth taking some time to figure out which type best fits in with your system and listening needs. One of your first decisions is whether to go with a magazine- or carousel-type changer. Some manufacturers have settled on one design or the other, while others such as Sony, JVC and Kenwood, offer both. Each system has its advantages. If you're one of the many people who already have—or plan to add—a CD changer in your car system, you'll find that it's really convenient to be able to use the same magazine in both your car and home systems. Since only magazine-style changers are available for the car, that design is the most sensible car/home solution.

On the other hand, some people find loading and unloading magazines to be a bit of a nuisance. In that respect, carousel-type changers are easier to use. You load and unload the disc-holding trays which are exposed when the drawer is open, then simply rotate the platter with the touch of a button to get at the remaining trays. It's much like using a single-play machine, except it's multiplied by five. The discs are positioned with the label side up so you know which is which. Instead of a slide-out drawer, JVC's XL-R204 provides access to your discs via a hinged, transparent top, much like a turntable's dust cover. You can add, remove or replace up to four discs even while the fifth disc is playing!



JVC's XL-R204 is a 5-disc carousel-style changer that's really easy to load and unload.



The Sony 10-disc magazine (left) and Pioneer 6-disc version are compatible with each company's home and car CD changers.

Listening Made Easy

Whether you choose a single-play machine or a multi-disc changer, you'll find that your CD player offers not only the finest sound available, but also incredible operating conveniences. Because sequence and tracking information is encoded on each CD right along with the music, you can locate specific points in just a few seconds: search forward or backward at high speed or skip track by track. Many players include a numbered keypad (often duplicated on the remote control) that lets you directly select and given track, just by punching the number. All of our players include programming: the ability to select a number of tracks for playback in any order you choose, deleting the songs you don't like.

Over the past year it's become common for players to include some handy features that make recording off CDs a lot easier. The edit feature automatically calculates which combination of CD tracks will most completely fill a specified time, such as one side of a cassette. Players with peak scan will quickly locate and play the highest signal level on a disc, making it easy to set the correct recording level.

Technical Talk

Two areas of CD player design have shown remarkable advancements over the years: digital-to-analog conversion and digital filtering. First, let's look at digital-to-analog (D/A) conversion.

First generation players used 16- or 14-bit D/A converters. Later came 18-bit and 20-bit converters, accompanied by a lot of "bigger-is-better" hype. Just remember that the music on CDs is still encoded in 16-bit words. To approach full 16-bit resolution

from 16-bit D/A converters requires that they be of exceptional quality. The idea behind 18- and 20-bit converters is that higher resolution provides "margin of error" for greater precision working with 16-bit data.

The latest innovation in D/A conversion is the so-called "1-bit" or pulse-type converter. The output from this high-speed converter is a series of pulses, rather than 16-bit chunks. This conversion method generates ultra-sonic noise, which is removed by a powerful "noise shaper." Though still a new technology, 1-bit D/A conversion promises to deliver high quality sound at lower prices, because expensive precision multi-bit converters are not required.

The methods for getting rid of the noise generated

in a digital system have been the source of a lot of consumer confusion, much of it centered around digital filters and the often-misunderstood term "oversampling." The Compact Disc standard requires each second of music to be sampled 44,100 times. That's 44,100 separate 16-bit data "words" for each channel, right and left, to be processed every second.

In a digital audio system using a sampling rate of 44,100, or 44.1k Hz, any signals above 20,000 Hz are noise, not music. First generation players used "brick wall"



Pioneer's PD-7700 with Stable Platter Mechanism.

analog filters to remove this high-frequency noise. Though effective, such filters often created an unpleasant side-effect: audibly harsh high frequencies caused by the filter's phase distortion.

Recent designs have switched to oversampling digital filters to overcome this problem. Using a mathematical operation called "interpolation" a digital filter actually computes voltage values that lie between the values actually read off the disc. An 8-times oversampling filter computes 7 values for every one read off the disc. High speed oversampling shifts ultrasonic noise to such a high frequency range that the noise can be removed by a gentle analog filter without sonic side effects.

Digital Output— A few players include direct outputs which bypass the player's digital-to-analog converters and supply digital information for components with built-in digital processing circuitry. The advantage is purer sound.

Direct Track Access— A great convenience of a CD player is the instant access you have to any song on a disc. You just push a button.

Dynamic Range— Like actual live music, a CD player can reproduce a very wide range of sound levels, from the softest solo violin to the full force of an entire orchestra. The absence of background noise and the fact that digital recordings don't require signal compression help make these ultra-wide dynamic range values possible.

Frequency Response— CD players are capable

of reproducing, with unequalled accuracy, a range of frequencies that is wider than the range of human hearing (20 to 20,000 Hz).

Number of Program Tracks— All of our CD players allow you to program a sequence of songs for playback in any order you like.

Over-sampling Rate— CD players which feature Digital Filtering use a technique which multiplies the standard sampling rate of 44.1k Hz. Players with 2X over-sampling have an 88.2k Hz sampling frequency, 4X players a 176.4k Hz rate, and 8X machines a 352.8k Hz rate.

Pickup Type— A 3-beam pickup splits the original laser light beam into a main beam and 2

adjacent beams for tracking purposes.

Random Play— If you're tired of hearing the same songs in the same order, Random Play allows the machine to select the order of playback. Random Play with delete assures you that once a song is played, it will not be repeated until all other songs are played.

Signal-to-Noise Ratio— A CD player's background noise is virtually non-existent. These S/N values indicate a huge difference between the audio signal level and any internal noise.

Track/Program Repeat— All the players listed below can repeat an entire disc at the press of a button. Our chart shows you which ones can also repeat a single song (track), a programmed song sequence (program), or both.

CD Player Features

CD PLAYERS	Multi-Disc	Pickup Type	Over-Sampling	Random Play	Number Program Tracks	Direct Track Access	Track/Program Repeat	Headphone Volume	Digital Output	Remote Control
JVC XL-V141	no	3-beam	8X	w/delete	32	no	both	no	—	no
JVC XL-V241	no	3-beam	8X	w/delete	32	remote only	both	no	—	yes
JVC XL-Z441	no	3-beam	8X	w/delete	32	yes	both	yes	optical	yes
JVC XL-R204	yes/5	3-beam	4X	w/delete	32	no	both	no	—	no
JVC XL-R304	yes/5	3-beam	4X	w/delete	32	remote only	both	no	—	yes
JVC XL-M405	yes/7	3-beam	4X	w/delete	32	no	both	no	—	no
JVC XL-M505	yes/7	3-beam	4X	w/delete	32	remote only	both	no	—	yes
Kenwood DP-2030	no	3-beam	8X	yes	20	yes	both	no	—	yes
Kenwood DP-R4430	yes/5	3-beam	8X	yes	20	remote only	both	yes	—	yes
Kenwood DP-M6630	yes/7	3-beam	8X	yes	20	yes	both	yes	—	yes
Kenwood DP-M7730	yes/7	3-beam	8X	yes	20	yes	both	yes	—	yes
Pioneer PD-7700	no	3-beam	8X	w/delete	32	yes	both	yes	optical	yes
Pioneer PD-M550	yes/6	3-beam	8X	w/delete	32	yes	both	yes	—	yes
Pioneer PD-M650	yes/6	3-beam	8X	w/delete	40	yes	both	yes	—	yes
Proton AC-422	no	3-beam	8X	yes	20	remote only	both	no	—	yes
Sony CDP-291	no	3-beam	4X	yes	20	no	both	yes	—	no
Sony CDP-491	no	3-beam	8X	w/delete	24	yes	both	yes	—	yes
Sony CDP-591	no	3-beam	8X	w/delete	24	yes	both	yes	—	yes
Sony CDP-991	no	3-beam	8X	w/delete	24	yes	both	yes	optical	yes
Sony CDP-C315	yes/5	3-beam	8X	yes	32	no	both	yes	—	yes
Sony CDP-C515	yes/5	3-beam	8X	yes	32	yes	both	yes	optical	yes
Sony CDP-C615	yes/5	3-beam	8X	yes	32	yes	both	yes	optical	yes
Sony CDP-C715	yes/5	3-beam	8X	yes	32	yes	both	yes	optical	yes
Sony CDP-C910	yes/10	3-beam	8X	yes	32	yes	both	yes	optical	yes

CD Player Specifications

CD PLAYERS	Frequency Response	Total Harmonic Distortion %	Signal-to-Noise Ratio dB	Dynamic Range dB	Wow and Flutter	Dimensions	Warranty	List Price	Your Price
JVC XL-V141	2-20,000	0.0025	106	98	Unmeasurable	17¼"W x 4¼"H x 10½"D	1 year	\$200	\$129
JVC XL-V241	2-20,000	0.0025	106	98	Unmeasurable	17¼"W x 4¼"H x 10½"D	1 year	\$215	\$149
JVC XL-Z441	2-20,000	0.0015	112	100	Unmeasurable	17¼"W x 4¼"H x 11"D	1 year	\$255	\$199
JVC XL-R204	2-20,000	0.0025	106	94	Unmeasurable	17¼"W x 4¼"H x 14½"D	1 year	\$250	\$189
JVC XL-R304	2-20,000	0.0025	106	94	Unmeasurable	17¼"W x 4¼"H x 14½"D	1 year	\$295	\$219
JVC XL-M405	2-20,000	0.002	108	98	Unmeasurable	17¼"W x 5¼"H x 12½"D	1 year	\$325	\$249
JVC XL-M505	2-20,000	0.002	108	98	Unmeasurable	17¼"W x 5¼"H x 12½"D	1 year	\$375	\$279
Kenwood DP-2030	4-20,000	0.005	94	92	Unmeasurable	17¾"W x 4¼"H x 10½"D	1 year	\$199	\$169
Kenwood DP-R4430	4-20,000	0.005	94	92	Unmeasurable	17¾"W x 5¼"H x 15½"D	1 year	\$299	\$229
Kenwood DP-M6630	4-20,000	0.005	94	92	Unmeasurable	17¾"W x 5¼"H x 14½"D	1 year	\$329	\$249
Kenwood DP-M7730	4-20,000	0.005	94	92	Unmeasurable	17¾"W x 5¼"H x 14½"D	1 year	\$379	\$299
Pioneer PD-7700	2-20,000	0.0026	106	96	Unmeasurable	16¾"W x 5¼"H x 10¼"D	1 year	\$400	\$349
Pioneer PD-M550	2-20,000	0.003	102	96	Unmeasurable	16¾"W x 4"H x 11½"D	1 year	\$325	\$269
Pioneer PD-M650	2-20,000	0.003	105	96	Unmeasurable	16¾"W x 5¼"H x 13"D	1 year	\$440	\$369
Proton AC-422	20-20,000	0.005	96	92	Unmeasurable	17½"W x 3¾"H x 12½"D	1 year	\$350	\$299
Sony CDP-291	2-20,000	0.035	97	90	Unmeasurable	17"W x 4"H x 11¼"D	1 year	\$165	\$129
Sony CDP-491	2-20,000	0.005	100	97	Unmeasurable	17¼"W x 4¾"H x 11¼"D	1 year	\$190	\$149
Sony CDP-591	2-20,000	0.003	100	98	Unmeasurable	17¼"W x 4¾"H x 11¼"D	1 year	\$240	\$199
Sony CDP-991	2-20,000	0.0025	113	100	Unmeasurable	17¼"W x 4¾"H x 13½"D	1 year	\$380	\$329
Sony CDP-C315	2-20,000	0.005	100	98	Unmeasurable	17¼"W x 5"H x 15¼"D	1 year	\$280	\$229
Sony CDP-C515	2-20,000	0.005	100	98	Unmeasurable	17¼"W x 5"H x 15¼"D	1 year	\$330	\$279
Sony CDP-C615	2-20,000	0.004	100	98	Unmeasurable	17¼"W x 5"H x 15¼"D	1 year	\$380	\$329
Sony CDP-C715	2-20,000	0.003	110	100	Unmeasurable	17"W x 4¾"H x 15¼"D	1 year	\$470	\$399
Sony CDP-C910	2-20,000	0.003	110	100	Unmeasurable	17"W x 4¾"H x 13"D	1 year	\$470	\$399

Sony CDP-291

Sony has never been known as a manufacturer of "budget" components, but at just \$129, their entry-level CDP-291 embarrasses all those mystery-brand players out there. It uses a 4-times oversampling digital filter and dual digital-to-analog converters (one for each channel) to deliver top-quality Sony sound. And you'll find the convenience features that make CD players so easy to enjoy: a program memory for up to 20 tracks, four different Repeat modes, and random Shuffle Play for a new song sequence every time. If you've bought a Sony remote-controlled receiver recently, that remote unit will also operate the CDP-291! Finally, the headphone output with volume control means that all you need is the CDP-291 and a pair of headphones, and you're ready for some serious listening.

Item #156CDP291 List Price: \$165 **YOUR LOW PRICE: \$129**



Features: Unilinear Converter with 4-times oversampling 16-bit digital filter, dual 16-bit D/A converters, 3-beam laser pickup with servo stabilizer circuit, 20-track programming, 4-way Repeat, random Shuffle Play, 20-track music calendar, headphone output with level control, remote controllable with Sony receivers. **Specifications:** Frequency Response (± 1 dB) 2-20,000 Hz, THD 0.035%, Signal-to-Noise ratio 97 dB, Dynamic Range 90 dB. Dimensions: 17"W x 4"H x 11"D. Warranty: 1 year.

Sony CDP-491

The CDP491 includes Sony's latest breakthrough in the technology of digital audio reproduction. It's a different way of converting the digital information read from a CD into the analog signal that is sent on to your receiver. The CDP491 uses pulse-type D/A converters, what other manufacturers have been calling "1-bit" converters. This \$149 player uses 4 D/A converters, plus an 8-times oversampling digital filter! This new approach is especially effective at revealing subtle sonic details you may not have noticed before. Of course, the CD conveniences you expect are here, too: wireless remote control, 24-track programming, 5-way Repeat, direct track access from both front panel and remote, and random Shuffle Play. Peak Level Search and 2-way Custom Edit make dubbing from CDs a lot less of a chore. *Call for availability.*

Item #156CDP491 List Price: \$190 **YOUR LOW PRICE: \$149**

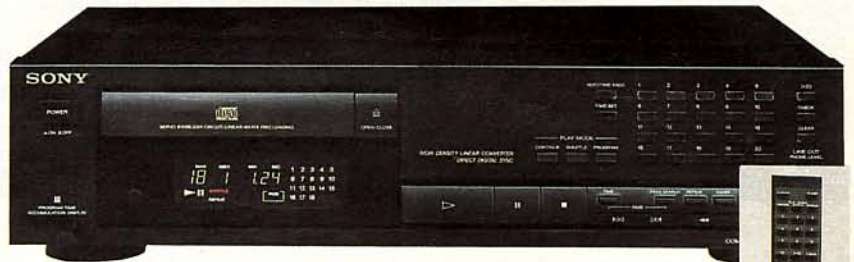


Features: High Density Linear Converter with 8-times oversampling 18-bit digital filter, 4 pulse-type digital-to-analog converters, noise shaping, anti-jitter Direct Digital Sync Circuit, 24-track programming, 5-way Repeat, random Shuffle Play, direct track access, Peak Level Search, 2-way Custom Edit (time/program), fader with adjustable fade time, headphone output with level control, wireless remote control. **Specifications:** Frequency Response (± 1 dB) 2-20,000 Hz, THD 0.005%, Signal-to-Noise ratio 100 dB, Dynamic Range 97 dB. Dimensions: 17½"W x 4¾"H x 11½"D. Warranty: 1 year.

Sony CDP-591

When the folks at Sony first described the CDP-591's high-performance circuitry and features, we figured they had to be talking about the top-of-the-line model. Imagine our surprise when we realized instead that this amazing package would go for under \$200! The CDP-591 uses four of Sony's new-generation pulse-type D/A converters, fed by an advanced 8-times oversampling 45-bit digital filter. The sonic improvement is noticeable even compared to last year's Sonys, but if you own a player that's a few years old, the CDP-591 is a *big* step closer to the you-are-there realism we're all looking for. With 24-track programming, 7 Repeat modes, direct track access and random Shuffle Play, you can hear your music any way you like. And the full-function remote includes everybody's favorite feature: volume adjustment.

Item #156CDP591 List Price: \$240 **YOUR LOW PRICE: \$199**



Features: High Density Linear Converter with 8-times oversampling 45-bit digital filter, 4 pulse-type D/A converters, noise shaping, anti-jitter Direct Digital Sync Circuit, 24-track programming, 7-way Repeat, random Shuffle Play, direct track access, Peak Level Search, 3-way Custom Edit (time/program/multi-disc), fader with adjustable fade time, Auto Space, headphone output, wireless remote with volume control. **Specifications:** Frequency Response (± 1 dB) 2-20,000 Hz, THD 0.003%, Signal-to-Noise ratio 100 dB, Dynamic Range 98 dB. Dimensions: 17¼"W x 4¾"H x 11½"D. Warranty: 1 year.

Sony CDP-991

Sony always saves a little something extra for their top-of-the-line model. In the case of the CDP-991, the extras apply to both sonic performance (note the improved Signal-to-Noise and Dynamic Range specs) and user-friendliness. Along with the usual playback options including 24-track programming, several Repeat modes, and direct track access, the CDP-991 offers the ease of Custom File permanent programming for up to 185 discs. Once you've programmed and stored the tracks you want to hear, every time you load the disc, the player remembers and plays only those tracks. And if, like some of us here, you prefer to listen in a darkened or dimly-lit room (it's easier to focus on the music), you can hit the display on/off button and have one less set of lights staring back at you.

Item #156CDP991 List Price: \$380 **YOUR LOW PRICE: \$329**



Features: High Density Linear Converter with 8-times oversampling 45-bit digital filter, 4 pulse-type D/A converters, noise shaping, anti-jitter Direct Digital Sync Circuit, Custom File permanent programming, 24-track programming, 8-way Repeat, random Shuffle Play, 20-key direct track access, Peak Level Search, 3-way Custom Edit, fader with adjustable fade time, Auto Space, display on/off switch, headphone output, optical digital output, wireless remote with volume control. **Specifications:** Frequency Response (± 1 dB) 2-20,000 Hz, THD 0.0025%, Signal-to-Noise ratio 113 dB, Dynamic Range 100 dB. Dimensions: 17¼"W x 4¾"H x 13½"D.

Advent Mini

The sound of Advent can now be yours in any (or every) room in your house. The compact Mini is so easily affordable, it's the perfect speaker for a den, bedroom, or dorm room. The tapered enclosure design, with solid pecan accents, looks right at home on a bookshelf or even mounted on the wall (optional wall bracket #005BRACKET \$59). And you can place them vertically or horizontally. Don't let the name fool you. The Advent Minis may be small in stature (just 11"H x 6½"W x 5¼"D), but they can definitely crank out full-size sound. The two-way, bass-reflex design uses ½-inch polycarbonate domes for highs all the way to 21,000 Hz, and the 5½-inch high excursion woofers produce surprising bass. They're a great addition to the Advent family. Made in USA.

Specifications: Frequency Response 110-21,000 Hz (±3dB); Max. Power 120 watts; solid pecan top and bottom; Dim. 11"H x 6½"W x 5¼"D. Warranty: 5 years.

Item #005MINI List Price: \$210 **YOUR LOW PRICE: \$149 pair**



Advent Baby II

Stereo Review called the original Baby "one of the best-sounding speakers in its price class." Now, Advent has improved the Baby by replacing the cone tweeter with an advanced, ferro fluid-cooled dome tweeter. The results are smoother, more life-like high frequencies, wider sound dispersion, and better imaging. Increased sensitivity provides better performance when driving the Babys with low-powered receivers or amps. You still get the hefty bass that has made the Advent sound legendary. The Baby IIs work best on a bookshelf or speaker stands, and can be placed vertically or horizontally. Made in USA.

Specifications: Frequency Response 60-21,000 Hz (±3dB); Max. Power 120 watts; solid hackberry top and bottom; Dim. 16½"H x 11"W x 6¼"D. Warranty: 5 years.

Item #005BABYII List Price: \$250 **YOUR LOW PRICE: \$179 pair**



Advent Mini/Subwoofer System

Don't believe the "experts" if they tell you that you've got to have expensive, mammoth-sized speakers in order to enjoy full-range sound. Advent's Mini/Subwoofer System lets you hear *all* the music. And it's the only satellite/subwoofer system that's as easy to afford as it is to live with.

Here's how the system works: the Advent Minis deliver crucial mid-range frequencies and ultra-crisp highs with "point-source" accuracy. The Advent Subwoofer handles the bass frequencies below 220 Hz. It can be placed practically anywhere in your room—under a table, behind a plant—wherever's convenient. Inside are twin 6½-inch high-excursion woofers that can pound out bass notes like speaker systems many times larger. You get the best of both worlds: easy, space-saving size and true full-range performance. Made in U.S.A.

Specifications: System Frequency Response 50-21,000 Hz (±3dB); Max. Power 300 watts. Subwoofer has black textured vinyl finish and is 15½"H x 13"W x 8½"D. Warr: 5 years.

Item #700MINISB2 List Price: \$500 **YOUR LOW PRICE: \$379 system**



The Advent Subwoofer is also available separately. (Designed for use only with the Advent Mini.)

Item #005SUBII List Price: \$290

YOUR LOW PRICE: \$249



Advent Prodigy Tower

The slender, elegant Prodigy Tower offers excellent sound for audio-philosophers who don't have room for large speakers. Cabinet and components were carefully

matched to provide superb reproduction of any program source. An 8-inch long-excursion woofer produces plenty of the taut, controlled bass that Advent is famous for. The ¾-inch polyamide soft dome tweeter is fluid-cooled to maintain low-distortion response. Because the tower design places the tweeter closer to ear level, you'll hear a more open, spacious sound. The Prodigy Tower is a knockout, visually and sonically. Made in USA.

Specifications: Freq. Response 45-23,000 Hz (±3dB); Max. Power 300 watts; solid pecan accents; Dimensions 28½"H x 10½"W x 8¾"D. Warranty: 5 years.

Item #005TOWER List Price: \$360

YOUR LOW PRICE: \$299 pair



Advent Legacy II

Improving a classic design is a tall order, but Advent has done it again with the Legacy II. The original Legacy was a consistent best-seller because its smooth, balanced sound and satisfying bass brought out the best in any kind of music, from solo acoustic to speed-metal crunch. The Legacy II can rock even harder, without the need for massive power, thanks to increased efficiency. But with maximum peak power handling of 500 watts, this is one speaker that is definitely digital ready. The 10-inch long-throw woofer delivers the powerful bass Advent is famous for. *Stereo Review* loved the original Legacy, saying it "obviously represents an excellent value."

Specifications: Frequency Response 42-23,000 Hz (±3dB); Maximum Power 500 watts, solid pecan accents. Dim 28½"H x 16"W x 9¾"D. Warranty: 5 years.

Item #005LEGACY2 List Price: \$460

YOUR LOW PRICE: \$399 pair

Advent Heritage / Laureate

Get ready to convert your living room into a concert hall! These loudspeakers deliver incredible sound quality and stereo imaging. The Heritage combines an airtight cabinet, dual 8"

high excursion woofers, a 1" fluid-filled soft dome tweeter, and a precision crossover network for really spectacular sound. The Laureate uses similar design, with dual 6½" woofers and a slightly smaller cabinet. Both produce tight, clean bass. From Chopin to hard rock, your music is sure to sound awesome. Handsomely-styled solid pecan accents add a really fine finishing touch.

Specifications: Frequency Response 42-23,000 Hz (±3dB); Maximum Power 600 watts (500 watts for Laureate); solid pecan wood accents. Dimensions: 37¾"H x 10½"W x 13¾"D (33¾"H x 9"W x 12¾"D for Laureate). Warranty: 5 years. Made in USA.

Item #005HERITGE List Price: \$700

YOUR LOW PRICE: \$649 pair

Item #005LAUREAT List Price: \$550

YOUR LOW PRICE: \$499 pair



Infinity Reference Series

At \$60,000, the Infinity IRS V System is undoubtedly the world's finest loudspeaker system. Unfortunately, few of us will ever have the opportunity to hear the four 7½-foot tall modules that make up the IRS V System. But, that doesn't mean we can't enjoy its state-of-the-art technology. Much of what makes the IRS V so special also goes into the easily-affordable Infinity Reference Series. The absolutely crystal-clear highs of the Reference Four, Five, and Six flow from Infinity's exclusive EMIT tweeters, now in a round aperture configuration for superior dispersion. All models but the E-L use the same IMG (Injection Molded Graphite) cone material as the legendary IRS V. IMG woofers and midranges boast the highest stiffness-to-mass ratio of any cones made, resulting in the fastest, tightest response you've ever had the pleasure of listening to.

We invite you to experience Infinity Reference sound for yourself. Try a pair in your own listening room (the only place to evaluate speakers). With our 30-day Total Satisfaction Guarantee, you simply can't go wrong on your next pair of speakers.



Infinity Reference Six **NEW**

A towering achievement in sound (at nearly 40" tall), the Reference Six lets you hear *all* the music. Perhaps for the very first time, you'll experience the bass you've been missing. The 10" Injection Molded Graphite woofers reveal the deep bass frequencies, all the way down to 35 Hertz! And the companion 6" IMG mid-bass drivers deliver the impact. You actually hear the skin of a drum being struck, not just a thump. For the middle frequencies so critical in turning a disc or tape into *music*, special 5" IMG mid-range drivers are provided. And for airy, transparent highs, the EMIT-R tweeters' response is flat all the way to 40,000 Hz. If you want to hear more, you have to listen to the Infinity Reference Six.

Specifications: Frequency Response 35-40,000 Hz (± 3 dB), Maximum Power 225 watts, Infinity Oak vinyl finish, Dim: 39½"H x 12½"W x 13½"D. Warranty: 5 years.
Item #108REF6 List Price: \$960 **YOUR LOW PRICE: \$899 pair**



Infinity Reference Four / Five **NEW**

Don't miss a beat (or a note) with these three-way, floor-standing Reference models. The Reference Four and Five use Infinity's unique EMIT-R tweeter for dazzling highs. Injection Molded Graphite is used to form the mid-range drivers and woofers. This ultra-rigid, yet lightweight material responds super-fast for tight, accurate bass. The Reference Four features an 8" woofer, while the Five uses a 10" driver in a larger cabinet for even deeper bass.

Specifications: Frequency Response 44-40k Hz / 40-40k Hz (± 3 dB), Maximum Power 150/200 watts, Infinity Oak vinyl finish, Dimensions: 30½"H x 10½"W x 9½"D / 35"H x 12½"W x 11½"D. Warranty: 5 years.

Item #108REF4 List Price: \$600 **YOUR LOW PRICE: \$539 pair**

Item #108REF5 List Price: \$760 **YOUR LOW PRICE: \$699 pair**



Infinity Reference Three **NEW**

The quest is over. In the Infinity Reference Three, we've found an affordable three-way speaker system that doesn't compromise on sound quality. The bass is full and taut, as you would expect from the Infinity's 8" IMG woofers. This extraordinary material is used for the midrange drivers, too, reproducing true-to-life musical instruments and voices. And the highs from the Polycell tweeters will make you smile. If your stereo system has been creating too many yawns lately, do yourself a favor: try Infinity's Reference Three.

Specifications: Frequency Response 47-25,000 Hz (± 3 dB), Maximum Power 125 watts, Infinity Oak vinyl finish, Dimensions: 21½"H x 10½"W x 9½"D. Warranty: 5 years.

Item #108REF3 List Price: \$440 **YOUR LOW PRICE: \$399 pair**



Infinity Reference One / Two **NEW**

High-technology finally comes to the bookshelf. Where space is tight (and your budget is, too), the Infinity Reference One fits beautifully. The 6½" IMG woofer mates perfectly with the ¾" Polycell tweeter for a very nicely balanced sound. If you have more room to work with, the larger Reference Two's 8" IMG woofer and 1" Polycell tweeter let you enjoy a fuller sound and deeper bass.

Specifications: Frequency Response 55-25k Hz / 50-25k Hz (± 3 dB), Maximum Power 75/100 watts, Infinity Oak vinyl finish, Dimensions: 14½"H x 9"W x 7½"D / 18½"H x 10½"W x 9½"D. Warranty: 5 years.

Item #108REF1 List Price: \$230 **YOUR LOW PRICE: \$199 pair**

Item #108REF2 List Price: \$340 **YOUR LOW PRICE: \$299 pair**



Infinity Reference E-L **NEW**

True Infinity sound quality has never been so easily affordable. The Reference E-L is less than a foot tall, yet delivers remarkably *big* sound. Inside each carefully-crafted enclosure is a 5¼" polypropylene woofer and ½" polycarbonate tweeter, so you'll capture all the fun. The small size (and small price tag) also make the E-Ls an excellent choice for Surround Sound or for adding music in second room.

Specifications: Frequency Response 70-20,000 Hz (± 3 dB), Maximum Power 60 watts, Infinity Oak vinyl finish, Dimensions: 11½"H x 7½"W x 6½"D. Warranty: 5 years.

Item #108REFEL List Price: \$170 **YOUR LOW PRICE: \$159 pair**



Your friendly no-pressure service and high degree of product knowledge offer a surprising and welcome alternative to the hassle and high-pressure pitch tactics of a walk-in store. I would definitely recommend your company to anyone who's looking for a stereo or electronic product.

Frank C.
Supply Manager
Denver, Colorado

Infinity SM 62

The latest addition to Infinity's Studio Monitor Series is the compact, but mighty SM 62. At just 13 1/4" tall, it's an ideal bookshelf or surround sound speaker. It teams a bass-reflex enclosure, a 6 1/2" polypropylene woofer, and a 1" Polycell dome tweeter for the kind of impressive, accurate sound Infinity's famous for. The SM 62 delivers solid bass tones with real punch, and highs that shine through with sparkling detail. And just like the entire line of Studio Monitor loudspeakers, the dynamic SM 62s are super-efficient, so you'll enjoy room-filling sound even with low-powered amplifiers. Made in USA.

Specifications: Frequency Response 78-25,000 Hz, Max. Power 100 watts, dark walnut vinyl finish. Dim: 13 1/4"H x 8"W x 13 1/2"D. Warranty: 5 years.

Item #108SM62W List Price: \$280 **YOUR LOW PRICE: \$199 pair**



Infinity SM 82 / SM 102

If you like crisp, crystal-clear highs, and rock-solid bass, the Infinity Studio Monitor Series will definitely excite your ears. These super-efficient bass-reflex speakers deliver incredible clarity and dynamics without the need for high-powered amplifiers. Both of these bookshelf models are 2-way designs: the SM 82 has an 8" poly-coated woofer, while the SM 102 uses a 10" driver. Both models use lightweight 1" Polycell dome tweeters to achieve the brilliance that makes Infinity loudspeakers so popular. Made in USA.

Specifications: Frequency Response 42-27,000 Hz/35-27,000 Hz, Max. Power 125/150 watts, dark walnut vinyl finish. Dim: (SM 82) 18 1/4"H x 11 1/4"W x 11 1/4"D, (SM 102) 21"H x 12 1/4"W x 12 3/4"D. Warranty: 5 years.

Item #108SM82W List Price: \$438 **YOUR LOW PRICE: \$299 pr.**

Item #108SM102W List Price: \$538 **YOUR LOW PRICE: \$379 pr.**



Infinity SM 112 / SM 122

In this digital age, today's music demands a high-performance speaker with crystalline highs, a detailed midrange, and driving bass. Add these ingredients to high efficiency and you've just described these Infinity loudspeakers. 1" Polycell tweeters deliver the sizzle of a live performance, while the crucial midrange is handled by a 4 1/2" poly-coated driver. Both models use super-efficient bass-reflex enclosures for strong, resonant bass at any volume level. The SM 112 uses a rugged 10" poly-coated woofer while the SM 122 sports a 12" driver for pounding bass that's sure to rock you. Made in USA.

Specifications: Frequency Response 35-27,000 Hz, Max. Power 175/200 watts, dark walnut vinyl finish. Dim: (SM 112) 30"H x 13 1/2"W x 13 1/2"D, (SM 122) 35 1/2"H x 14 1/2"W x 13 1/2"D. Warranty: 5 years.

Item #108SM112W List Price: \$738 **YOUR LOW PRICE: \$549 pr.**

Item #108SM122W List Price: \$918 **YOUR LOW PRICE: \$699 pr.**



Infinity Infinitesimal Four System

As a 3-piece system, Infinity's Infinitesimal Four is undoubtedly one of the most intensely musical loudspeaker systems we've heard. But that's not your only option here—you won't believe how incredible a pair

of the satellite speakers sound by themselves! Infinity technology is key. Each satellite cabinet is made of a non-resonant material, with the drivers mounted in a step formation for correct time-alignment. The 5 1/4" long-throw woofer is made of IMG (Injection Molded Graphite) and produces incredibly smooth and natural bass and midrange for its size. The tweeter is the EMIT-R (Electromagnetic Induction Tweeter), a new design that combines EMIT technology with a round aperture. Response soars well beyond the limits of other tweeters. The satellites disappear into a wide, deep soundstage with the instruments and vocals so localized, you can point a finger at each one! And the satellites are magnetically shielded, so they're perfect for video applications.

Servo Subwoofer

The compact, 13" cube Servo Subwoofer houses a 10" IMG woofer driven by a 100-watt servo-control system. It produces clean, powerful, undistorted bass. You'll find yourself noticing electric bass melody lines, and easily distinguishing between synth-drums and the real thing. If you're just looking to add more bottom end to your present speaker system, the Servo Subwoofer is an excellent add-on to most small- to medium-sized speakers. It includes a built-in continuously variable low-pass crossover (50-200 Hz), and variable level control that lets you dial in exactly the amount of deep bass you like. Low-level RCA inputs are provided so the subwoofer can be fed directly from a spare set of preamp outputs on your receiver or preamplifier. Speaker inputs are provided to accept speaker wires from your receiver, as well as outputs to connect the satellites.

Specifications: System Frequency Response (±3dB) 40-40,000 Hz, Maximum Power 80 watts RMS, 6 ohms. Dimensions: (satellites) 9 1/2"H x 6"W x 6 1/2"D; (subwoofer) 13 1/4"H x 13 1/4"W x 13"D. Warranty: 5 years (1 year on subwoofer electronics).

Satellites Item #108INFOUR **YOUR LOW PRICE: \$399 pair**

Servo Subwoofer Item #108SERVSUB **YOUR LOW PRICE: \$599**

Infinitesimal Four System

Item #700SERVO4 **YOUR LOW PRICE: \$997 system**



Infinity Micro

Only a company with Infinity's 20-plus years of speaker-building expertise could deliver a 3-piece system that does so many things right, for under \$500. Starting at the top and working down, the Micro system uses two ultra-compact 2-way satellites with the drivers mounted in a stepped

front baffle for correct time-alignment. The 3/4" dome tweeter and 3 1/2" poly-coated paper midrange combine for sound that is smooth, yet detailed, with sparkling highs. The non-powered Micro subwoofer uses an 8" dual voice coil driver to produce clean, accurate bass down to 50 Hz. The subwoofer's precisely-tuned bass reflex enclosure has a sleek, low-profile look that's not as boxy as many subwoofers. Leave the subwoofer in view or hide it away; the non-directional bass frequencies will appear to come directly from the satellites as part of the total musical image.

Specifications: System Frequency Response (±3dB) 50-22,000 Hz, Maximum Power 50 watts RMS, 6 ohms. Dimensions: (satellites) 7 1/2"H x 4 1/2"W x 4 1/2"D; (subwoofer) 7 1/4"H x 20"W x 11 1/2"D. Warranty: 5 years. Made in USA.

Item #108INMICRO List Price: \$520

YOUR LOW PRICE: \$499 system



Sony SS-EX5

The Sony SS-EX5s might not cost much, but they spare no expense in sound quality. Frankly, we've got to hand it to Sony's speaker designers. They've managed to build a bookshelf speaker that can hold its own (and then some) with many costlier speakers on the market. This 2-way acoustic suspension design uses a specially-coated 8" paper woofer and quality 3/4" dome tweeter. We can't think of another speaker that offers this much bass for the buck. The midrange and high frequencies are smooth, pure, and balanced. Properly positioned (stands are recommended), these speakers present an open, spacious soundstage. Made in USA.

Specifications: Frequency Response 50-20,000 Hz, Maximum Power 100 watts, black oak vinyl finish. Dimensions: 17 1/4"H x 11"W x 10"D. Warranty: 3 years.

Item #156SSEX5 List Price: \$225 **YOUR LOW PRICE: \$179 pair**



EPI 70 / 100 Series III NEW

EPI's philosophy is straightforward: give the customer more loudspeaker for less money. From meticulously constructed tongue-and-groove cabinets to carefully-matched high-quality drivers, it shows. These 2-way bookshelf models deliver smooth, clear, detailed sound with surprising bass. The compact EPI 70 includes a 6 1/2" mid/woofer and a wide-dispersion 2" cone tweeter. The 100 uses an 8" woofer and rear-firing port for deep bass (down to 42 Hz!) and a 1" dome tweeter for true crystalline highs. Made in USA.

Specifications: Frequency Response 65-20k/42-20k Hz, Maximum Power 90/120 watts. Dim: 15"H x 10"W x 7"D; (EPI 100) 20"H x 11 1/2"W x 9 1/2"D. Warranty: 5 years.

Item #066EPI703 List Price: \$200 **YOUR LOW PRICE: \$149 pair**
Item #066EPI1003 List Price: \$300 **YOUR LOW PRICE: \$199 pair**



EPI 120 Series III NEW

EPI puts their faith in word-of-mouth advertising and passes the savings on to you. With this level of sound reproduction and quality of construction, we can see why it works. For 3-way accuracy, EPI's latest 120 includes an improved 8" woofer that handles higher power levels better, a 5" acoustically isolated midrange, and a 1" dome tweeter. Using a precisely tuned bass-reflex enclosure and first-order crossover network, the response of these three drivers is carefully tailored to provide seamless, natural sound. The impressive 120s take up less than one square foot of living space apiece. Made in USA.

Specifications: Frequency Response 45-20,000 Hz, Maximum Power 180 watts. Dimensions: 30"H x 10 1/2"W x 9 1/2"D. Warranty: 5 years.

Item #066EPI1203 List Price: \$400 **YOUR LOW PRICE: \$279 pair**



Cerwin-Vega 200SE / 250SE

Cerwin-Vegas bring you the power of the music. They're built to be driven hard, with cast-aluminum woofer frames, 1" dome tweeters horn-loaded for improved efficiency and dispersion, and self-resetting circuit breakers on the tweeters. The 2-way 200SE uses an 8" woofer to pound out surprisingly powerful bass for its size. The larger, 3-way 250SE adds a 6" midrange for greater power handling, and a 10" woofer for even more bass wallop. Made in USA.

Specifications: Freq. Response 32-20,000 Hz (± 3 dB), Max. Power 100/125 watts, Dim. 22"H x 10 1/2"W x 12 1/4"D; (250SE) 28"H x 12 1/2"W x 12 1/4"D. Warr: 5 years.

Item #050CV200SE List Price: \$410

YOUR LOW PRICE: \$299 pair (pictured)

Item #050CV250SE List Price: \$600

YOUR LOW PRICE: \$449 pair



Bose 901 Classic Series VI

With over two decades of popularity and continuous refinement, the legendary Bose 901 loudspeakers are a genuine audio "classic." Now in their sixth series, the latest 901s include improvements that enhance both efficiency and power-handling ability.

The design concept remains steadfast: to recreate the natural balance and realism of direct and reflected sound you hear during a live performance. Patented Bose 901 technology uses nine full-range, precisely positioned 4 1/2" HVC drivers in each Acoustic Matrix enclosure with fourteen separate acoustic regions. Only one of the drivers faces the listener; the remaining eight are mounted at different angles to disperse the music throughout your room, creating an authentically "live" sound. An active equalizer with 106 dB of dynamic range plugs into your receiver's tape monitor loop and shapes and customizes your audio signal before it's delivered to the 901s. You'll experience breath-taking impact and clarity and truly impressive bass performance at any volume level! This is the speaker that established the Bose tradition. Find out why so many music lovers won't settle for anything less. Made in USA.

Features: Direct/Reflecting speaker design, active equalizer, nine full-range HVC drivers, Acoustic Matrix enclosure, hardwood veneer with walnut finish, Minimum Power 10 watts, 8-ohm impedance, Dim: 12 3/4"H x 21"W x 13"D. Warranty: 5 years.

Item #700BOSE901

YOUR LOW PRICE: \$1399 complete system with EQ

Optional Stands Item #018PS6 **\$149 pair**



Bose 901s (center) recreate the balance of direct and reflected sound heard at a live performance.

Bose 10.2 Series II

Bose's "Stereo Everywhere" speakers are the only ones we've heard that let listeners clearly hear *both* speakers from anywhere in the room. The cut-away diagram of their top-of-the-line Model 10.2 Series II shows how this engineering triumph was achieved. In the upper section of each mirror-image enclosure is the Stereo Targeting array: an 8-inch driver for the midrange and two tweeters for the highs. Extensive computer analysis dictated the optimum size and location of the drivers for the widest stereo image: the midrange fires toward center stage, one tweeter fires forward, and the other towards the center of the room. For bass frequencies, the 10.2 incorporates Bose's acclaimed Acoustimass® design. An 8-inch woofer *inside* each cabinet fires into two chambers, each with a specially tuned port. Unlike conventional speakers which rely almost entirely on forward cone movement for bass, the Acoustimass® system makes efficient use of both forward and rearward woofer movements. The two tubular ports are carefully tuned to different frequencies so that their moving air masses combine to produce the most true-to-life bass you've ever heard. The 10.2 Series II lets you have it all: vivid "Stereo Everywhere" *plus* stunning Acoustimass® bass performance. Even before all these refinements, *Stereo Review* called the original 10.2 "one of the best sounding speakers we've ever heard."



Features: Stereo Targeting System, dual-chamber Acoustimass bass enclosure, teak hardwood veneer finish, Recommended Power 10-180 watts, 8-ohm impedance. Dimensions 39 1/4"H x 12"W x 12"D. Warranty: 5 years.

Item #018TEN2II List Price: \$1299

YOUR LOW PRICE: \$1099 pair



Bose 6.2

Placed on a bookshelf, or on the optional stands, the Bose 6.2 fills your room with music like no other speaker in its price range. And in your audio-video system, voices seem to come right from the TV screen, not from separate speakers. Each dual-chamber enclosure includes an 8-inch woofer and two axial-mounted, 3-inch tweeters. This Stereo Targeting System makes beautiful music that's matched by the beautiful 6.2 design and genuine hardwood veneer finish.

Features: Stereo Targeting System, dual-chamber bass venting enclosure, teak hardwood veneer finish, Recommended Power 10-100 watts, 4-ohm impedance, Dimensions 10"H x 20"W x 9 1/2"D. Warranty: 5 years.

Item #018SIX2 List Price: \$629 **YOUR LOW PRICE: \$499 pair**

Model AS-3 Speaker Stands

Item #018AS3 **YOUR LOW PRICE: \$79**

Bose 4.2

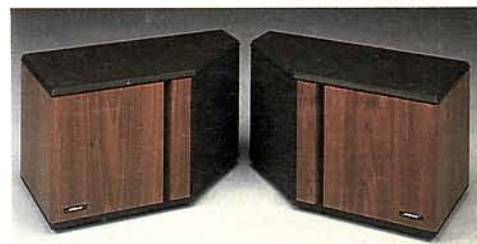
For full enjoyment of stereo sound, you need to hear *both* speakers. No matter where you're sitting. That's why the Bose 4.2 enclosure is designed so the 8-inch woofer and 2 1/2-inch tweeters radiate toward the center of your room. You hear all the music, with a richness and fullness that's remarkable for speakers this affordable. The experience is more like listening to live music than to an audio system.

Features: Stereo Targeting System, dual-chamber bass venting enclosure, teak-grain vinyl finish, Recommended Power 10-75 watts, 8-ohm impedance, Dimensions 9 1/2"H x 18"W x 10"D. Warranty: 5 years.

Item #018FOUR2 List Price: \$439 **YOUR LOW PRICE: \$299 pair**

Model AS-3 Speaker Stands

Item #018AS3 **YOUR LOW PRICE: \$69**

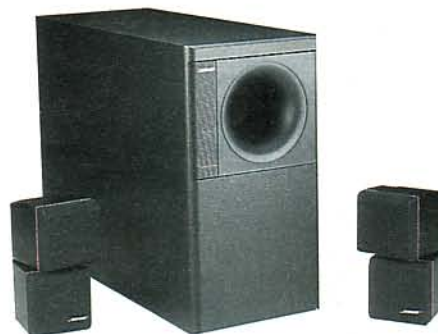


Bose 2.2

Now everyone can experience "Stereo Everywhere" with the easily affordable Bose 2.2. They're perfect for your first system or for any audio-video setup. The unique enclosure design, 6-inch long-excursion woofers, and 2-inch tweeters let the 2.2s flood your entire listening area with full stereo sound.

Features: Slot Port bass tuning enclosure, teak-grain vinyl finish, Recommended Power 10-75 watts, 8-ohm impedance, Dim: 9 1/2"H x 14 1/4"W x 7 1/2"D. Warranty: 5 years.

Item #018TWO2 List Price: \$299 **YOUR LOW PRICE: \$199 pair**



Bose AM-5 Series II

"No one in our acquaintance who has heard these speakers has failed to be amazed and even awed by their performance." "More than almost any other speaker in recent memory, it has been sheer fun to listen to, by virtue of its wide sound stage and room-filling bass which manages to sound so much deeper than it can possibly be, coming from a system of its size." So said *Stereo Review* in its enthusiastic review of the original Bose AM-5 satellite/subwoofer system. The AM-5 Series II (incorporating further refinements and updated cosmetics) will leave you similarly impressed. The two pairs of satellite speakers are small enough to fit anywhere (they're even magnetically-shielded so you can place them close to your TV), and they can be rotated to provide the exact mix of direct and reflected sound that's right for your room. The Acoustimass® bass module can be set up in a horizontal or vertical position, so it'll fit behind the sofa, under a chair, out of sight, but definitely putting out the bass. The excellent instruction manual helps you get the most from this remarkable system.

Features: Four 2 1/2" magnetically-shielded, wide-range drivers in cube speaker arrays (each array 6 1/2"H x 3 1/2"W x 4 3/4"D), Acoustimass bass module with two 5 1/4" low-frequency drivers 7 1/2"H x 14"W x 19 1/4"D. Recommended power 10-200 watts from receivers rated from 4 to 8 ohms. Warranty: 5 years.

Item #018AM5II **YOUR LOW PRICE: \$749**

NHT Model Zero

Most miniature speakers are nothing more than audio toys, but the Zeros were designed using the latest computer technology, then fine-tuned by ear. They can bring true high performance sound to a whole new range of applications. Their magnetically shielded enclosures make them ideally suited to video systems. Each acoustic suspension enclosure uses a 4½" woofer and ¾" semi-dome tweeter. For deep bass response, the Zeros mate perfectly with NHT's SW-1 Subwoofer. Made in USA.

Specifications: Frequency Response (±3dB) 85-21,000 Hz (w/Subwoofer 47-21,000 Hz), Maximum Power 75 watts. Dim. 9"H x 5½"W x 5"D. Warranty: 5 years.

Item #228ZERO List Price: \$200 **YOUR LOW PRICE: \$179 pair**
Zero/Subwoofer System (pictured)

Item #700SUBZERO List Price: \$500 **YOUR LOW PRICE: \$399**



NHT Model 1.8 **NEW**

The Model 1.8 is designed to please listeners who value accuracy and musical realism above all else. Notice the placement of the drivers and the angled front baffle. Nothing about the 1.8 is ordinary. As with all of NHT's speakers, a lot of experimenting and testing went into choosing the materials and components. The 6½" mid/woofer and 1" fluid-cooled dome tweeter placed at ear level generate the vivid, 3-dimensional imaging of the best mini-monitors. Dual 6½" ultra-low resonance woofers act as an integral subwoofer to produce bass that is quite startling from such a slender, elegant tower. With its small footprint and glossy good looks, the 1.8 fits beautifully in almost any listening room. Made in USA.

Specifications: Frequency Response (±3dB) 43-22,000 Hz, Maximum Power 200 watts. Dimensions: 34"H x 7"W x 12"D. Warranty: 5 years.

Item #700NHT18B List Price: \$800 **YOUR LOW PRICE: \$699 pair**



NHT Model 1

NHT's Model 1 is still one of the cleanest-sounding bookshelf speakers we've heard at any price. Its carefully chosen drivers, crossover components and radical enclosure create a sound so spacious it's startling. Music lovers and audio journalists have applauded the Model 1's exceptional stereo imaging; their ability to "disappear."

The 6½" woofer and 1" dome tweeter are mounted in a specially angled front baffle that reduces wall reflections that can smear stereo images. With magnetically shielded enclosures, the Model 1 is ideal for video applications. And when combined with NHT's dual-6½" SW-1 Subwoofer, you have a system with enough bass power for any kind of music.

Specifications: Frequency Response (±3dB) 65-23,000 Hz, Maximum Power 150 watts. Dimensions: 12"H x 7"W x 10"D. Subwoofer (extends bass frequencies to 47 Hz), Dim: 19½"H x 8"W x 11½"D. Warranty: 5 years. Made in USA.

Item #228NHT1 Oak Item #228NHT1B High-gloss Black
List Price: \$350 **YOUR LOW PRICE: \$299 pair**

SW-1 Subwoofer

Item #228SW1V Oak Item #228SW1VB High-gloss Black
List Price: \$300 **YOUR LOW PRICE: \$249** (not pictured)



NHT SW2 Subwoofer

A subwoofer can make an audio system. But only a very few can deliver the incredibly clean, deep bass that NHT's sensational SW2 supplies. It uses a carefully-selected 10" high-excursion woofer, 4-layer voice coil, low-distortion magnet, and vented cube enclosure design to provide tightly-controlled bass notes down to an amazing 22 Hz! That's serious bass. The versatile SW2 offers a direct input for use with most loudspeaker systems. Or you can mate two SW2s with a pair of NHT's Model 1 loudspeakers using the built-in passive crossover network. (Two SW2s are required when used with Model 1s in passive mode). Made in USA.

Specifications: Frequency Response (±3dB) 22-350 Hz (direct input) 22-130 Hz (built-in passive crossover network), Maximum Power 200 watts. Dimensions: 16"H x 16"W x 16"D. Warranty: 5 years.

Item #228SW2 Oak Item #228SW2B High-gloss Black
List Price: \$350 **YOUR LOW PRICE: \$299 each**



NHT Model 1.3

NHT's impressive Model 1.3 will dazzle your ears with startling realism, crisp detail, tight bass, and excellent stereo imaging. The demanding audio journal *Stereophile* praised the 1.3's "tonal neutrality, uncolored and transparent midrange, and well-defined and articulate bass presentation." Their sound rivals that of much more expensive loudspeakers. The carefully selected 6½" woofer and 1" fabric dome, fluid-cooled tweeter are enclosed in a versatile, high-tech trapezoid design that can be positioned upright or on either of its sides (for proper driver angles from high or low placement). This is no ordinary bookshelf speaker. As *Stereophile* concludes, the Model 1.3 "offers the audiophile on a budget a glimpse of high-end sound at a mid-fi price. Highly recommended." Made in USA.

Specifications: Frequency Response (±3dB) 52-25,000 Hz, Maximum Power 150 watts. Dimensions: 16½"H x 7"W x 10"D. Warranty: 5 years.

Item #228NHT13 Oak

Item #228NHT13B High-gloss Black

List Price: \$500 **YOUR LOW PRICE: \$429 pair**



Cerwin Vega Subwoofer

Experience deep bass you can feel, not just hear. Because low frequencies are non-directional, you can place Cerwin Vega's Subwoofer almost anywhere. Inside the walnut-grain cabinet is a rugged 12-inch down-firing woofer with a massive 112-ounce magnet and heavy-duty dual voice coils. Simply connect the speaker outputs from your receiver or amplifier to the input terminals on the subwoofer. The signal passes through the built-in crossover, sending frequencies below 110 Hz to the subwoofer. Then, just run speaker wires from the Cerwin Vega's output terminals to your regular speakers for all the frequencies above 110 Hz. The Cerwin Vega works with any system rated from 15 to 125 watts per channel. Made in USA.

Specifications: Frequency response 29-120 Hz; Sensitivity 92 dB; Maximum power 125 watts; Dimensions: 25½"W x 13½"H x 16¼"D.

Item #050SW12B List Price: \$320 **YOUR LOW PRICE: \$199**



Wood Technology Speaker Stands

Small to medium-sized speakers need stands to sound their best. These solid hardwood stands help tighten bass response and open up the sound. They assemble in minutes with just a screwdriver.



Walnut Finish

Oak

Model 410 8" tall, 4.5 degree tilt. Platform 8½" sq., base 11" sq.
Item #188E410 ebony fin. **\$34 pr**
Item #188K410 oak **\$34 pr**
Item #188W410 walnut fin. **\$34 pr**
Model 610 16" tall, ebony finish. Platform 8½" sq., base 11" sq.
Item #188E610 **\$44 pair**
Model 710 22" tall, ebony finish. Platform 6½" sq., base 11" sq.
Item #188E710 **\$49 pair**
Speaker Stand Spikes (8 pack) Item #188SPIKES **\$10**

Bose 101

Whether as remote speakers in your main system, or used in a kitchen or bedroom, these stylish, compact speakers deliver startlingly good sound with just a little power. Optional C-clamp-style brackets attach to a desk or shelf, and can also mount on a pole or door. The 101's high-impact polystyrene enclosure and weatherproof grille make it an ideal choice on the patio or poolside. Impedance: 4 ohms. Power range: 10-60 watts. Dim: 9"W x 6"H x 5"D. Warranty: 5 years.

Item #018MM101W White **YOUR LOW PRICE: \$179 pair**
Item #018MM101B Black **YOUR LOW PRICE: \$179 pair**
Multi-purpose Mounting Arms with C-clamp brackets
Item #018MMA4 **YOUR LOW PRICE: \$49 pair**
Wall Brackets Item #018WB10 **YOUR LOW PRICE: \$24**
Travel Bag Item #018TB2 **YOUR LOW PRICE: \$79**

Bose RoomMate II

Simply plug a portable CD player or Walkman into the Bose RoomMate IIs and experience the full impact of the music. Anywhere. In your car, outdoors, at work, and in your home. The built-in amplifier and 2-stage active equalization assure you of true-to-life sound, with plenty of bass, and a maximum sound pressure level of 102 dB! Each RoomMate II is ruggedly constructed of a fiberglass-reinforced composite with aluminum grilles and measures just 9½"W x 6½"H x 6½"D.

But most amazing of all is the optional rechargeable battery pack. For 12 hours at full volume your hi-fi system can go anywhere you go. (Simply plug it into a wall outlet overnight for a full recharge.) The battery pack is built into a sturdy Bose travel bag that holds everything: a pair of RoomMate IIs, your portable CD player, Walkman, discs, tapes, etc. And you can play the RoomMates right in the bag!

RoomMate II Item #018RM2 **YOUR LOW PRICE: \$299 pair**
12-hour Battery in Travel Bag with 12-volt adapter
Item #018PC1 **YOUR LOW PRICE: \$179**
12-volt Adapter Item #018RM212V **YOUR LOW PRICE: \$19**
Mounting Arms with C-clamp brackets
Item #018MMA4 **YOUR LOW PRICE: \$49 pair**
Wall Brackets Item #018WB10 **YOUR LOW PRICE: \$24 pair**



Target TAP-5 / BT-1 Speaker Brackets

These two clever bracket designs open up new speaker placement possibilities by allowing you to mount your small- to medium-sized bookshelf speakers on the wall. The TAP-5 consists of a pair of two-piece metal platforms, each with two adjustment slots that adapt the platform size to fit your speakers (maximum 10⅞" deep). Each platform rests on a swivel mount on a beefy, L-shaped tubular steel support that mounts to the wall with two screws. Each bracket supports up to 40 pounds when anchored to a wall stud.

For lighter speakers, the BT-1's brackets mount to the back of your speakers, while separate supports mount to the wall. Angle and up/down tilt are adjustable. We recommend a limit of 22 pounds per speaker when mounted on drywall.

Item #121TAP5 **YOUR PRICE: \$59/pair**
Item #121BT1 **YOUR PRICE: \$29/pair**



TAP-5



BT-1

Niles Audio Speaker Selectors

Now you can add that second, third, or even fourth pair of speakers to your system. Niles Audio's handy device will let you play all your speakers simultaneously...and safely. Special protection circuitry is built in, so there's always a safe operating load for any amplifier up to 100 watts per channel. Accepts speaker wires up to 16 gauge, or pin connectors. The HDS4 High Definition selector handles amps up to 250 watts, with terminals that will accept speaker wire up to 8 gauge and includes a headphone jack.

Item #190SPS1 **YOUR LOW PRICE: \$89**
Item #190HDS4 **YOUR LOW PRICE: \$149**



Advent Indoor/Outdoor Mini Speakers

Enjoy the legendary Advent performance outdoors—the backyard, patio or deck. The Indoor/Outdoor Mini Advent brings you big, true-to-life sound in an attractive, weather-resistant enclosure that fits just about anywhere. But that's just half the story. The Indoor/Outdoor Minis have the same dimensions and performance levels as the popular Mini-Advents (page 99). But their sleek Eurostyle design in either a matte black or contemporary white finish makes them an attractive alternative to the Mini's traditional styling. Whether you choose to use them outdoors or in, they're an affordable combination of good taste and quality sound.

Specifications: Frequency Response (±3 dB) 110-21,000 Hz, Maximum Power 100 watts. Dimensions: 11"H x 6½"W x 5½"D. Warranty: 5 years.

Item #005OUTDOOR Black Item #005WHTMINI White
List Price: \$210 **YOUR LOW PRICE: \$149 pair**

Quick-disconnect wall-mount brackets for Advent Indoor/Outdoor Mini and Standard Mini.

Item #005BRACKET Black Item #005WHTBRKT White
YOUR PRICE: \$59 pair



This is the 3rd or 4th order from your company and I want to say, yours is the best of any mail order company, especially technical help and knowledge.
Gary P., Retired Police Officer, St. Petersburg, FL

Denon DT-400

Looking for the ultimate table radio or small stereo? This is it.



The Denon DT-400 has great FM reception and a lush sound. (Each speaker enclosure houses a separate woofer and tweeter, both channels powered by a 25 watt amp.) A true hi-fi system, the DT-400 features sensitive quartz synthesis tuning, separate bass and treble controls, and 5 FM/5 AM station presets. Rear input jacks let you connect a CD player or tape deck to make an excellent secondary stereo system. The clock and alarm (music only) are easy to set, easy to read. Dimensions: (Main) 13 $\frac{1}{2}$ "W x 6 $\frac{1}{2}$ "H x 9 $\frac{3}{4}$ "D; (2nd speaker) 10 $\frac{1}{4}$ "W x 6 $\frac{1}{2}$ "H x 9 $\frac{3}{4}$ "D. Warranty: 1 year.

Item #033DT400 **YOUR LOW PRICE: \$299**

Sony CFS-720

You won't want to leave home without the CFS-720! Along with 10 AM/10 FM station presets on its digital tuner, it offers a dual cassette deck with auto-reverse playback on deck A, and record/play on deck B. Experience simulated 3-dimensional concert hall acoustics with the Space Sound Control, or take advantage of its variable Mega Bass sound and 4-band graphic equalizer to tailor your music just right. The CFS-720 includes CD line-in and has detachable speakers. Batteries not included. Dimensions: 26 $\frac{1}{8}$ "W x 8 $\frac{1}{2}$ "H x 8 $\frac{3}{4}$ "D. Weight: 13 lbs. Warranty: 1 year parts/90 days labor.

Item #158CFS720 List Price: \$200 **YOUR LOW PRICE: \$179**



Sony CFD-765

You'll enjoy full-bodied Sony sound as you operate the CFD-765 by remote control. Its built-in CD player has an 8-times oversampling digital filter, 20-random programming and 5-way Repeat. You'll enjoy auto-reverse playback (deck A) and record/play (deck B) on the dual cassette deck. The digital tuner offers 20 AM/FM station presets. And you can customize your sound with the 3-band graphic equalizer, Space Sound Control, Mega Bass circuitry, and detachable 2-way speakers. Headphone jack included. Batteries not included. Dimensions: 27 $\frac{1}{2}$ "W x 10"H x 9 $\frac{3}{8}$ "D. Weight: 19 lbs. without batteries. Warr: 1 year parts/90 days labor.

Item #158CFD765 List Price: \$450 **YOUR LOW PRICE: \$349**



Panasonic RX-CT980

The RX-CT980 includes a digital tuner with 24 FM/8 AM memory presets, and Memory Scan. It can double as an alarm with its clock/timer and sleep function. Its single-direction dual cassette deck includes Dolby B, high-speed dubbing, and Relay Play. 2-way bi-amplified speakers, variable S-XBS bass boost, and 5-band graphic EQ combine for terrific sound. It has CD/Aux inputs, microphone input, a headphone jack, and connections for external speakers. Batteries not included. Dimensions: 25 $\frac{1}{8}$ "W x 10 $\frac{1}{2}$ "H x 9 $\frac{3}{8}$ "D. Weight: 18 $\frac{1}{2}$ lbs. Warranty: 1 year.

Item #133RXCT980 List Price: \$240 **YOUR LOW PRICE: \$219**



Proton RS-420

More than just a clock/radio, Proton's sleek RS-420 provides seductive stereo sound. 6 AM/6 FM stations can be preset on its digital tuner. Dual alarm settings are available, as well as 6-minute snooze and a sleep timer. Other considerate features include 3-step alarm volume, adjustable display brightness, and headphone jacks. It even has inputs for a CD player or tape deck! The RS-422 extension speaker adds full stereo sound with its own 3-watt amplifier. It includes an independent alarm, snooze and sleep controls, and volume. Dim: 12 $\frac{3}{4}$ "W x 5 $\frac{5}{8}$ "H x 3 $\frac{1}{4}$ "D. Warranty: 1 year.

Item #207RS420 List Price: \$160 **YOUR LOW PRICE: \$139**
Extension Speaker Item #207RS422 **YOUR LOW PRICE: \$79**



JVC UX-1

With a CD-sized compact component design, JVC's UX-1 4-piece micro system fits even the tightest spaces. Its CD player offers 20-track programming, Repeat, Random Play, and Intro Scan. CD Synchro-Start makes CD-to-tape recording extra easy. The full-logic, auto-reverse cassette deck includes Dolby B and automatic level control to produce great-sounding tapes. The UX-1 also includes digital tuning with 15 AM/15 FM presets, a built-in 10 watt-per-channel amp, Active Hyper-Bass circuit, and remote control. Operates on AC power only. Dim: 18 $\frac{1}{4}$ "W x 10 $\frac{1}{4}$ "H x 8 $\frac{3}{4}$ "D. Warranty: 1 year.

Item #111UX1 List Price: \$600 **YOUR LOW PRICE: \$499**



JVC PC-XT3 / PC-XT5

These JVC portables double the fun with twin CD players! You not only get extended playback time, but 20-track programming, Repeat, and Random Play features as well.

The PC-XT3 (pictured) includes an AM/FM tuner and dual cassette decks with CD Synchro-Start, high-speed dubbing, Relay Play, and automatic record level control. PC-XT5 upgrades include digital tuning and 15 FM/5 AM station presets, Dolby B, a 3-band graphic EQ, and CD remote control. Both operate on AC power or 8 "D" size batteries. PC-XT3 Dim: 27 $\frac{1}{4}$ "W x 10 $\frac{1}{4}$ "H x 10 $\frac{1}{4}$ "D, Weight: 19.4 lbs. PC-XT5 Dim: 27 $\frac{1}{4}$ "W x 10 $\frac{1}{4}$ "H x 10 $\frac{1}{4}$ "D, Weight: 20.2 lbs. Warr: 1 year.

Item #257PCXT3 List Price: \$400 **YOUR LOW PRICE: \$299**

Item #257PCXT5 List Price: \$530 **YOUR LOW PRICE: \$379**



Panasonic RX-DT680

The RX-DT680 is fully remote controllable and includes a digital tuner with 10 FM/10 AM memory presets. Also built in is a clock/timer with sleep function, and CD player with a "1 bit" D/A converter. CD features include programming, Repeat, and Random Play. The dual cassette deck offers Relay Play and high-speed dubbing. And you get superb sound with 2-way bi-amplified speakers, S-XBS bass boost, and 5-band EQ. CD-out jacks, headphone jacks, mic input and external speaker connections are provided. Batteries not included. Dim: 26"W x 10 $\frac{1}{2}$ "H x 9 $\frac{3}{8}$ "D. Weight: 19 $\frac{1}{4}$ lbs. Warr: 1 year.

Item #133RXDT680 List Price: \$390 **YOUR LOW PRICE: \$369**



Sony SRF-M45

The lightweight SRF-M45 provides delightful radio-to-go for joggers, commuters, and other music-lovers. It's simple to use and the sound fidelity is excellent. You get the push-button convenience and drift-free reception of a quartz synthesis AM/FM stereo tuner with 10 one-touch memory presets. (Make them all FM, all AM or any combination.) And instead of the tinny sound you may be accustomed to, the SRF-M45 delivers a true bottom end, thanks to built-in Mega Bass circuitry. (You can select the amount of Mega Bass boost.) A local/distant sensitivity switch optimizes FM reception of stations near or far away. A pair of Mega Bass compatible stereo headphones is included. Dim: 4 1/4"W x 3 3/8"H x 1 3/8"D. Weight: 6 oz. Warr: 1 year parts/90 days labor.

Item #158SRFM45 List Price: \$65 **YOUR LOW PRICE: \$49**



Sony WM-AF79

The WM-AF79's splash-resistant design uses ABS plastic, an "Elastomer" coating, rubber gaskets, bushings and waterproof seals to keep out water, moisture, and dirt. Inside you'll find a precision auto-reverse cassette mechanism with Dolby B and switchable tape EQ. If you run out of tapes, there's an AM/FM tuner built in, too. Sony's exclusive Mega Bass circuitry lets you add just the right amount of low frequency boost for more full-bodied sound. The WM-AF79 comes with a set of water-resistant stereo headphones. Requires two "AA" batteries. Dim: 4"W x 4 7/8"H x 2 1/2"D. Weight: 13.4 oz. Warr: 1 year parts/90 days labor.

Item #158WMAF79 List Price: \$200 **YOUR LOW PRICE: \$149**



Portable CD players can be found on page 88.

Sony CFS-D960

The rugged, functional CFS-D960 has a rubber-coated ABS plastic case, rubber gaskets, and waterproof seals to protect the cassette deck and AM/FM tuner from water, dew, and the dents and bangs of an active life. Tape features include auto-reverse and Music Search. Along with dual 4" stereo speakers, there's also a separate woofer that works with the Mega Bass circuitry for surprising bass performance. Uses AC power or 6 "D" batteries. Dim: 19"W x 8 3/4"H x 5 1/2"D. Weight: 7 lb. 9 oz. (with batteries). Warranty: 1 year parts/90 days labor.

Item #158CFS-D960 List Price: \$200 **YOUR LOW PRICE: \$139**



Panasonic RQ-V162

Pinching pennies? The value-packed RQ-V162 could be one of your wisest purchases (and greatest pleasures). It includes an AM/FM tuner and auto-reverse tape player with a convenient direction switch, Dolby B noise reduction, and Metal tape capability. An anti-rolling mechanism provides distortion-free music on the move. And you can adjust the sound just the way you like it with the 3-band graphic equalizer and Panasonic's variable XBS (Extra Bass System). Its stereo headphones deliver terrific sound. Uses 2 "AA" batteries (not included). Dimensions: 3 1/2"W x 4 3/4"H x 1 3/8"D. Weight: 8.7 oz. Warranty: 1 year.

Item #133RQV162 List Price: \$80 **YOUR LOW PRICE: \$59**



Sony WM-FX43

Enjoy personal stereo whenever you want, wherever you happen to be. The WM-FX43's cassette player includes auto-reverse for uninterrupted tape playback, and Dolby B noise reduction. You can preset 18 (9 AM/9 FM) of your favorite stations on its digital seek tuner. An informative LCD panel displays clock, alarm, tape function, or station frequency. And it sounds great, too! Sony's dual-flywheel Anti-Rolling mechanism limits distortion when you run or walk, and improved Mega Bass circuitry boosts the bass up to 48 dB! Stereo headphones, belt clip included. Uses 2 "AA" batteries (not included). Dim: 3 3/8"W x 4 3/8"H x 1 1/2"D. Weight 8.8 oz. Warranty: 1 year parts/90 days labor.

Item #158WMFX43 List Price: \$130 **YOUR LOW PRICE: \$99**

Rechargeable batteries can be found on page 109.



Sony WM-AF58 / WM-F2078

These rugged Sports Walkmen, with Sony's exclusive splash-resistant housing, let you take your music with you—rain or shine. Perfect for joggers, the compact WM-AF58 AM/FM/Cassette player includes a solar-powered clock with stopwatch and alarm. You also get water-resistant headphones, two headphone jacks, and a belt clip. For better tape performance and a few more conveniences, check out the sporty WM-F2078. It adds auto-reverse tape playback, Dolby B, and 7 FM/7 AM presets on its push-button tuner. Batteries not included. Dimensions: (WM-AF58) 5 1/2"W x 4 1/8"H x 1 1/8"D; (WM-F2078) 4 1/8"W x 4 3/4"H x 2 1/4"D. Weight: 1 lb./1 lb. 4 oz. Warranty: 1 year parts/90 days labor.

Item #158WMAF58 List Price: \$100

YOUR LOW PRICE: \$79

Item #158WMF2078 List Price: \$180 (pictured)

YOUR LOW PRICE: \$129



Millennium Charge Man

NEW

Batteries dead? With Millennium's Charge Man on duty, you'll never be without your tunes again. You get a handy plug-in recharger and two top-notch "AA" Millenniums—the batteries that are guaranteed to last a lifetime, and get 33% more use between recharges than other brands out there!

Item #112CH2AABP **YOUR PRICE: \$10.99**



Panasonic RQ-S55V

The ultra-small RQ-S55V provides personal stereo in a BIG way. Its sound quality is incredible with 3-step S-XBS bass boost and a high filter switch for smoother, more mellow sound. The tuner offers 7 AM & 7 FM station presets, and its full-function auto-reverse tape player includes Dolby B for super-clean playback. A clock with alarm is built-in, and an LCD panel shows tape function, station frequency, or time. The headphones include an in-line remote with power on/off, volume, and preset search controls. A rechargeable battery provides up to 3 hours of operation, and you can add a "AA" battery for extended use. Battery with charger, add-on "AA" battery case, and carry bag included. Dim: 4 1/4"W x 2 7/8"H x 7/8"D. Weight: 6.4 oz. Warranty: 1 year.

Item #133RQS55V List Price: \$220 **YOUR LOW PRICE: \$199**





A



E



B



F



C



G



D



H

	A	B	C	D
Model	Sony MDR-E565	Sony MDR-V4	Sony MDR-V6	Sennheiser HD-450
Description	Mini-phones compatible with Walkman. Includes carry case.	Lightweight on-the-ear digital monitors. Includes full-size & mini plugs.	Around the ear studio monitor with sealed cup. Full-size and mini plugs.	Open-Air design high output. Includes full-size & mini plugs.
Frequency Response	10-24,000 Hz	10-25,000 Hz	5-30,000 Hz	20-20,000 Hz
List Price	\$40	\$80	\$100	\$99
YOUR PRICE	\$34	\$69	\$89	\$79
Item Number	#158MDRE565	#158MDRV4	#158MDRV6	#143HD450

	E	F	G	H
Model	Sennheiser HD-540	AKG K-240	AKG K-240DF	AKG K-280
Description	Top-of-the line reference model. Around the ear design.	Pro-quality sound with deep bass. Sealed around the ear design with adjustable headband.	Open detailed sound with deep bass. Around the ear design.	Dual-transducer, high output, around the ear design.
Frequency Response	16-25,000 Hz	15-20,000 Hz	15-20,000 Hz	20-20,000 Hz
List Price	\$199	\$139	\$169	\$199
YOUR PRICE	\$169	\$99	\$119	\$149
Item Number	#143HD540	#039K240	#039K240DF	#039K280

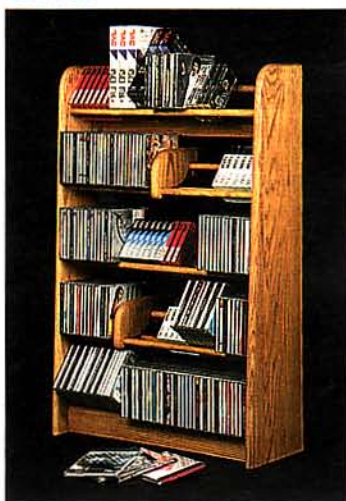
Tree Dimensions CD Racks

The elegantly simple design of these CD racks allows them to hold tapes and CDs (even multiple CD sets) and makes it easy to get to them. The CD-250 with two removable sliding dividers holds up to 260 CDs or 160 cassettes in any combination. The CD-130 has one divider and holds any combination of 133 CDs or 80 cassettes. The CD-80 (one divider) holds 88 CDs or 53 cassettes or any combination. All three models are free-standing and the CD-80 and CD-130 can be wall mounted. Handcrafted in the USA with solid oak side panels and a beautiful hand-rubbed finish. Dimensions: (CD-250) 23½"W x 35" H x 8½"D; (CD-130) 20"W x 17½"H x 6½"D; (CD-80) 20"W x 11"H x 6½"D.

Item #226CD250 **YOUR LOW PRICE: \$89** (pictured)

Item #226CD130 **YOUR LOW PRICE: \$39**

Item #226CD80 **YOUR LOW PRICE: \$29**



Statx Anti-Static Cleaner

Originally developed for the aerospace industry, Statx is a high-tech formula that will clean your electronic equipment and protect it from its natural enemies—static build-up, dirt, and dust. An ozone-safe product, Statx is non-abrasive and can be used on everything from stereo systems and TV screens to computers and microwave ovens! We've tried it, like it, and think Statx is destined for use in most homes and businesses. Try it for yourself! Net Wt. 6 oz.

Item #019STATX

YOUR LOW PRICE: \$4.99



Wood Technology Storage

These sturdy solid hardwood storage units will accent any room's decor. The 2-tier CDS-100 holds up to 100 compact discs and the CDS-150 adds a third shelf for maximum storage of 150 discs. As your collection grows, the movable shelf divider adjusts to accommodate however many CDs you acquire. The VDS-36 video storage unit holds up to 36 cassettes for easy access. All units are wall-mountable or stack easily to maximize storage space. Additional stabilizing feet are recommended when multiple units are stacked.

The storage units and stabilizing feet are available in three finishes: ebony, oak, and walnut. When ordering, replace the question mark in the item number with "E" for ebony, "K" for oak, or "W" for walnut.

100-CD storage. Dimensions: 22¼"W x 13½"H x 7"D.

Item #188CDS100? **\$39**

150-CD storage. Dimensions: 22¼"W x 20¾"H x 7"D.

Item #188CDS150? **\$49**

36-Videocassette storage. Dimensions: 22¼"W x 19¾"H x 7"D.

Item #188VDS36? **\$39**

Stabilizing feet. (Recommended for stacking more than two modules.) Dimensions: 1¼"W x 2½"H x 11"D.

Item #188ZZFT? **\$14**



Tweek Contact Enhancer

Tweek is a unique brush-on fluid made of a long-chain organic polymer that enhances electrical conductivity by filling the microscopic pores and gaps between the metal surfaces. Tweek will improve the signal transfer in your audio, video, and computer connections.

Item #252TWEAK **YOUR LOW PRICE: \$19**



...Nothing has changed—you're still the greatest!!!
Patricia M., Office Manager, St. Croix, Virgin Islands



Discwasher Accessories

A CD Laser Lens Cleaner This non-abrasive, double brush wet/dry cleaning action safely and effectively removes dust and debris from your player's laser optics.

Item #032CDL2 **YOUR LOW PRICE: \$19**

B Tape Deck System II This dual-action cleaning cassette contains two separate tapes: a non-abrasive dry tape to remove oxides and residues from the heads, and a fabric tape which, used with the supplied cleaning fluid, scrubs the capstan and pinchroller.

Item #032SYSTEM2 **YOUR LOW PRICE: \$12**

C CD Cleaner The effective, affordable way to remove dust, dirt, and fingerprints from Compact Discs. Discwasher's CD Cleaner rotates the disc and cleaning pad for true radial cleaning. The special CD-1 cleaning spray is included.

Item #032CDCLEAN **YOUR LOW PRICE: \$16**

D Motorized CD Cleaner The twin-pad radial cleaning mechanism runs through an automatic, 28-second cycle to give your discs a uniform and thorough cleaning. Uses 2 "C" batteries (not included).

Item #032CDMTRCL **YOUR LOW PRICE: \$22**

E D'Mag D'Mag works on the entire tape path—capstan, tape guides, tape head and other metal parts. There are no batteries or power cords. The samarium cobalt disk travels along a track inside the D'Mag housing.

Item #032DMAG **YOUR LOW PRICE: \$16**

Panamax Surge Suppressors

Get double protection against electrical damage to your components. Panamax backs up the performance of their surge protectors with a \$2,000,000 insurance policy. So you not only get a life-time warranty on the suppressors themselves, but also any components connected to them are fully covered too. Panamax can make that offer because their multi-stage design combines the fastest response time, lowest voltage clamping level, and highest energy dissipation to protect your components from anything short of a direct lightning strike. It's cost-effective protection you can't afford to be without.

MAX 6 — Six AC outlets, circuit breaker, RF noise protection, and on/off switch.
Item #299MAX6 List Price: \$99 **YOUR LOW PRICE: \$79**

FaxMAX — For fax machines, telephones, modems, and answering machines. One AC outlet, circuit breaker, two phone jack receptacles (RJ-11 4-wire and RJ-45 8-wire compatible).

Item #299FAXMAX List Price: \$89 **YOUR LOW PRICE: \$69**

CoaxMAX4 — For TVs, cable converter boxes, VCRs, etc. Four AC outlets, in/out "F" connectors, circuit breaker, RF noise protection, on/off switch.
Item #299COAX4 List Price: \$129 **YOUR LOW PRICE: \$99**

SuperMAX — Four AC outlets, 2 phone jack receptacles, circuit breaker, brown-out protection with reset, RF noise protection, on/off switch.
Item #299SUPMAX List Price: \$149 **YOUR LOW PRICE: \$119**



Millennium Rechargeable Batteries

These are the last batteries you'll ever have to buy. If any Millennium ever fails to recharge (for reasons other than abuse or misuse),

Millennium will replace it. And who (or what) is Millennium? It's the consumer battery brand from Gates Energy, the people who supply the rechargeable batteries for Black & Decker, Norelco, Eureka and many other well-respected brands. And although it's difficult to measure, these could be the most powerful rechargeables on the market — you could get up to 33% more use between recharges than with other brands. Recharging is faster, too; the Millennium RapidCharger can return discharged batteries to full power in as little as three hours. Buying a set or two of these reasonably-priced batteries will save you money in the long run.

"AAA" 2-pack — Item #112B2AAABP **YOUR LOW PRICE: \$5.99**

"AA" 2-pack — Item #112B2AABP **YOUR LOW PRICE: \$5.99**

"AA" 4-pack — Item #112B4AABP **YOUR LOW PRICE: \$10.99**

"C" 2-pack — Item #112B2CBP **YOUR LOW PRICE: \$7.49**

"D" 2-pack — Item #112B2DBP **YOUR LOW PRICE: \$7.49**

9-volt (single pack) — Item #112B9VBP **YOUR LOW PRICE: \$7.49**

Three-Hour RapidCharger for all size batteries.

Item #112CH4C3 **YOUR LOW PRICE: \$19.99**

2 "AA" Charger, includes 2 "AA" Batteries (see page 107)

Item #112CH2AABP **YOUR LOW PRICE: 10.99**



TDK SA-X Audio Tape

After subjecting 88 leading audio cassettes to an extensive battery of laboratory tests, *Audio* magazine placed TDK SA-X tapes first in dynamic range among all high-bias (Type II) cassettes tested! This highly-respected technical audio journal concluded that SA-X "provided high MOLs (maximum output levels) and high signal-to-noise ratio—the highest from Type I and Type II tapes. In fact, signal-to-noise is higher than for many Type IV tapes." Try them for yourself—SA-X's phenomenal dynamic range lets you record even the most demanding CDs without distorting the loud passages or losing the quiet passages in tape noise.



Blank Tapes

Blank Tapes	Length	Type*	Item #	Price Each	Price-10 or more
TDK SA	90 min.	HB	195SA90	\$2.25	\$1.99
TDK SA-X	90 min.	HB+	195SAX90	\$3.25	\$2.79
TDK SA-X	100 min.	HB+	195SAX100	\$3.50	\$2.99
TDK Metal	110 min.	M	195MA110	\$3.50	\$2.99
Maxell XLII	90 min.	HB	170XLI90	\$3.00	\$2.49
Maxell XLII-S	90 min.	HB+	170XLIIS	\$3.50	\$2.99
Maxell Metal 90	90 min.	M+	170MXS90	\$4.00	\$3.49
Denon HD8	90 min.	HB+	033HD8	\$3.75	\$2.99
Denon HD8	100 min.	HB+	033HD8100	\$4.00	\$3.29
Sony UX-PRO	90 min.	HB+	158UXPRO90	\$3.50	\$2.99
Sony Metal-SR	100 min.	M	158SR100	\$3.00	\$2.49
Sony Metal Select	90 min.	M+	158MTSLT90	\$4.50	\$3.99

*HB - high bias, HB+ - top quality high bias, M - Metal, M+ - top quality metal

Terk Pi³ AM/FM Antenna

A product that looks this different had better deliver the goods. Well, Terk's new Pi³ AM/FM antenna does, and then some. Developed by famed tuner guru and electronics engineer Larry Schotz, the Pi³ uses breakthrough technology to eliminate "co-inductance" and deliver maximum AM reception without degrading FM performance in any way. Its electronic circuits yield as much as 60-times increase in the strength of incoming FM signals! And Terk's patented Gamma-Loop tuned circuit ensures that the Pi³ picks up only FM signals and not noise. The unusual styling was a joint effort of two award-winning industrial designers. Resting horizontally, the Pi³ acts as an omnidirectional antenna; positioned vertically it can be oriented for best reception of weaker signals. Its low-noise amplifier has adjustable gain from -20dB to +42dB so you can pick up weak or distant stations and still not over-amplify close or powerful stations. Dimensions: 6" diameter, 1" thick. Made in USA.

Item #209AF9925 Black **YOUR LOW PRICE: \$89**



Terk Wedge **NEW**

If you're experiencing FM noise, chances are the culprit is your antenna! Terk's Wedge AM/FM stereo powered antenna, armed with patented Gamma-Loop circuitry to reject unwanted noise, amplifies FM signal strength to give you the highest quality reception possible. And its 3-position gain control (+9dB, +18dB, +33dB) strengthens weak signals and helps eliminate overloading by strong stations. With its compact size and handsome shape, the Wedge fits in just about anywhere. Placed vertically, it serves as a directional antenna for aiming at weaker distant stations and eliminating multipath distortion; placed horizontally, it becomes omnidirectional for picking up all stations. Dimensions: 5"W x 1"H x 5"D. Made in USA.

Item #209WEDGE **YOUR LOW PRICE: \$59**



X-10 PM-5900 Powermid Remote Control Extender

Powermid lets you operate your stereo system, TV, cable converter, or any other infrared remote-controlled device from *anywhere* in your home up to 140 feet away! Just aim your remote at Powermid's infrared sensor/wireless transmitter. It converts the infrared pulses into radio waves, then relays them to the wireless receiver/infrared emitter (in another room) for translation back into strong infrared pulses. Powermid plugs into any AC outlet—there are no wires to run! And you can add on sensors and emitters for other rooms in your home.

Item #009PM5900 List Price: \$60 **YOUR LOW PRICE: \$49**

Add'l Infrared Sensor/Wireless Transmitter Item #009ST539 \$29

Add'l Wireless Receiver/Infrared Emitter Item #009RE549 \$29



Allsop NAVCOM Audio Isolators

The NAVCOM Audio Isolators from Allsop are vibration-damping "feet" made from a highly-specialized, patented Noise And Vibration Control Material. Unlike similar products made from a different material that works only within a narrow frequency range, NAVCOM is a "broad band isolator" that eliminates vibrations throughout the audio frequency spectrum (10 Hz to 30,000 Hz, to be exact). We recommend them for use with CD players and turntables. Listen for cleaner, better defined bass, better stereo separation, and reduced rumble. A maximum weight of 15 lbs. is recommended for each 4-pack.

Set of 4 — Item #28772500 **YOUR PRICE: \$29**



Monster Cable

Don't strangle your amplifier with inefficient speaker wire. If you are using small-gauge wire such as standard 18-gauge or smaller, your amp is working overtime just fighting the resistance of the wire itself. Monster Cable uses over 500 fine, high-purity copper wires specially stranded to deliver more power, extend dynamic range, and improve damping for tighter bass. The 24-karat gold plated Lock Notch connectors are angled for easy hook-up.

Item #119MC1010 pair of 10' cables **\$29**

Item #119MC1515 pair of 15' cables **\$34**

Item #119MC2020 pair of 20' cables **\$44**

Item #119MC3030 pair of 30' cables **\$59**

Monster Cable XP

Here's affordable high-performance speaker wire that uses high-purity 16-gauge copper wire and Monster's special winding construction.

Item #119XPMS20 20' spool **\$11**

Item #119XPMS30 30' spool **\$16**

Item #119XPMS50 50' spool **\$24**

Solder-less twist-clip connectors

Item #119GPTMH **\$12/8-pack**



Interlink Reference 2

by Monster Cable

For the ultimate in system connections, we offer the highly acclaimed Interlink Reference 2 interconnects. One large conductor carries the bass frequencies, four conductors handle the vital midrange, and 350 very fine conductors deliver the delicate highs. The result is an ultra-wide bandwidth *plus* absolute phase coherency throughout the entire range of audio frequencies. Monster's 12-cut "turbine" collars provide tighter connections.

Item #119ILRH 1/2-meter pair (20" ea.)

YOUR LOW PRICE: \$69

Item #119ILR1M 1-meter pair (39" ea.)

YOUR LOW PRICE: \$89

Interlink 400 by Monster Cable

The cheap patch cords supplied with components can add undesirable colorations while limiting signal transfer. Interlink 400 cables are designed as a system, with a dual multiple gauge "Bandwidth Balanced" wire network for efficient signal transfer, unique Micro-Fiber insulation, 100% foil shielding for freedom from noise and interference, and an 8-cut "turbine" collar and split center pin for tighter connections. Listen and compare for yourself. (For CD players, Interlink 400 represents a higher quality alternative to the Interlink CD interconnects found on page 86.)

Item #119IL4HM 1/2-meter pair (20" ea.) **\$29**

Item #119IL41M 1-meter pair (39" ea.) **\$39**

Item #119IL41HM 1 1/2-meter pair (59" ea.) **\$44**

Item #119IL42M 2-meter pair (78" ea.) **\$49**

Item #119IL416 (16-foot pair) **\$79**



Video

111

VCR Features Glossary

Number of Video Heads — You get clearer special effects (still frames, slow motion, etc.) from machines that use 4 video heads.

Still Frame — The tape is paused and a single frame is displayed on your TV.

Frame Advance — You can view the tape in stop-action motion, one frame at a time.

Slow Motion — Most of our VCRs come with more than one pre-determined slow motion speed. Where possible, we list the slow motion speeds as they relate to the normal SP speed.

Fast Scan — All of our VCRs have a fast-motion mode in which the picture is visible, allowing you to skip past parts of the tape you don't want to watch. Where possible, we list the Fast Scan speed (or range, if more than one Fast Scan speed can be selected) as it relates to the normal SP speed.

Jog/Shuttle Dials — A faster and easier way to move the tape forward and backwards. Instead of pushing a button, you turn a dial. The farther you turn the dial, the faster the tape moves, and the picture remains visible. Shuttle dials let you move quite rapidly through a tape, but are not precise enough to stop at an exact point. Jog dials are thus included on more expensive VCRs to give you precise frame-by-frame movement.

Front-Panel A/V Jacks — If you want to temporarily connect a camcorder or second VCR,

front panel jacks make it easier than having to make connections from the rear. The jacks are usually input/output, that is, if your VCR is in Record mode the jacks act as an input, if your VCR is in Play mode, the jacks act as outputs.

Real-Time Counter — You can see—in hours, minutes, and seconds—how long your tape has been running (in playback or record), which makes it much easier to know how much tape you have left. If you turn off the VCR, the time information is retained in memory and will reappear when you turn it back on. However, if you play another tape and then re-insert the first, the time counter will not pick up where you left off. The counter is usually incorporated in the front panel display of a VCR, although some models make it part of their on-screen display, requiring you to press a button on the remote to see it. A "yes" in this chart column means the VCR has both panel and on-screen counter display.

Digital Auto Tracking — A microcomputer sees to it that tracking is set to the optimum setting for the best picture. This process is continuous, so you'll never have to get up in the middle of a tape to adjust the tracking. JVC's Hi-Fi VCRs also adjust for the best possible sound.

Quick Timer — With this feature, you just press one button to start recording instantly.

Where possible, we list the length of time the VCR will record for each press of the Quick Timer button.

On-Screen Programming — Models with this feature lead you through the programming steps by displaying prompts on your TV screen.

Hi-Fi and MTS — VCRs with Hi-Fi Stereo produce the highest quality audio. In fact, the sound quality is only slightly less than that of Compact Discs. A built-in MTS decoder lets you receive and record stereo broadcasts.

Audio Frequency Response — Only Hi-Fi VCRs can reproduce the entire range of audible frequencies. To get the full impact of Hi-Fi Stereo sound, connect the VCR's audio output to an input on your stereo system.

Auto Channel Set — The VCR automatically scans and locks-in all the active broadcast or cable channels it's receiving and erases all unused channels from its memory. This used to be one of the most frustrating steps in setting up a VCR. Now it's a one-touch operation.

Timer — All VCRs let you program the recording of an event (TV show) in advance. Our chart shows you how far in advance you can program a recording on each model, and how many different on/off times you can store in the VCR's memory.

VCR Features

	Format	# Video Heads	Still Frame	Frame Advance	Slow Motion	Fast Scan	Jog/Shuttle Dial	Front Panel A/V Jacks	Real Time Counter	Digital Auto Tracking	Quick Timer Increments	On Screen Program
JVC HR-DX20U	VHS HQ	2	yes	yes	1/6	7X	no	no	on screen	yes	30 min.	yes
JVC HR-DX40U	VHS HQ	4	yes	yes	1/6	7X	no	no	on screen	yes	30 min.	yes
JVC HR-D720U	VHS HQ	4	yes	yes	1/30, 1/24, 1/18, 1/12, 1/6	3X, 5X, 7X, 11X	no	no	yes	yes	30 min.	yes
JVC HR-D930U	VHS HQ	4	yes	yes	1/30, 1/24, 1/18, 1/12, 1/6	2X, 5X, 7X, 11X	no	no	yes	yes	30 min.	yes
JVC HR-D970U	VHS HQ	4	yes	yes	1/30, 1/24, 1/18, 1/12, 1/6	2X, 3X, 5X, 7X, 11X	yes	yes	yes	yes	30 min.	yes
JVC HR-S6700U	Super VHS	4	yes	yes	1/30, 1/24, 1/18, 1/12, 1/6	2X, 3X, 5X, 7X, 11X	yes	yes	yes	yes	30 min.	yes
Panasonic PV-4114	VHS HQ	4	yes	yes	variable to 1/60	2X, 5X, 9X	no	no	on screen	yes	30 min.	yes
Panasonic PV-4164	VHS HQ	4	yes	yes	variable to 1/60	2X, 5X, 9X	shuttle	yes	on screen	yes	30 min.	yes
Sony SLV-585HF	VHS HQ	4	yes	yes	1/30, 1/20, 1/15, 1/10, 1/5	2X, 7X	yes	yes	yes	yes	30 min.	yes
Sony SLV-686HF	VHS HQ	4	yes	yes	1/30, 1/20, 1/15, 1/10, 1/5	2X, 7X	yes	yes	yes	yes	30 min.	yes

VCR Specifications

VCR	Hi-Fi & MTS	Audio Frequency Response	Audio Dynamic Range	Wow and Flutter	Channels Received	Auto Channel Set	Timer Weeks/Events	Dimensions	List Price	Your Low Price
JVC HR-DX20U	no	70-10,000 Hz	na	na	181	yes	52/8	14 1/4"W x 3 3/4"H x 13 1/4"D	\$350	\$269
JVC HR-DX40U	no	70-10,000 Hz	na	na	181	yes	52/8	14 1/4"W x 3 3/4"H x 13 1/4"D	\$400	\$299
JVC HR-D720U	no	70-10,000 Hz	na	na	181	yes	52/8	17 1/4"W x 3 3/4"H x 13 1/4"D	\$450	\$349
JVC HR-D930U	yes	20-20,000 Hz	90+ dB	0.005%	181	yes	52/8	17 1/4"W x 3 3/4"H x 13 1/4"D	\$550	\$449
JVC HR-D970U	yes	20-20,000 Hz	90+ dB	0.005%	181	yes	4/8	17 1/4"W x 3 3/4"H x 13 1/4"D	\$699	\$549
JVC HR-S6700U	yes	20-20,000 Hz	90+ dB	0.005%	181	yes	4/8	17 1/4"W x 4 1/4"H x 15 1/4"D	\$1000	\$799
Panasonic PV-4114	no	70-10,000 Hz	na	na	155	yes	4/4	15 1/2"W x 3 1/2"H x 11 1/4"D	\$379	\$329
Panasonic PV-4164	yes	20-20,000 Hz	90+ dB	0.005%	155	yes	4/4	15 1/2"W x 3 1/2"H x 11 1/4"D	\$549	\$479
Sony SLV-585HF	yes	20-20,000 Hz	90+ dB	0.005%	181	yes	4/8	17"W x 3 3/4"H x 15 1/4"D	\$600	\$499
Sony SLV-686HF	yes	20-20,000 Hz	90+ dB	0.005%	181	yes	4/8	17"W x 3 3/4"H x 15 1/4"D	\$650	\$549

Any Questions? Call us toll-free: 800-446-1640

JVC HR-DX20U / HR-DX40U

Whether you're looking for your very first VCR or you need an extra one for the kids, the choice is simple: the 2-head HR-DX20U or the 4-head HR-DX40U. With their full range of automatic functions and easy-to-follow on-screen menus, these sleek little decks make video viewing and TV recording a breeze. In fact, with remote control in hand, chances are you won't even have to refer to the instruction manual. The tuner is capable of receiving 181 channels, covering all the broadcast TV and cable frequencies in service in America. And both models will automatically find and set the channels you receive, eliminating what was once the biggest chore. And, with their new, slimmer chassis size, your VCR will take up hardly any space. While the 2-head HR-DX20U is capable of slow motion and freeze frames, more dedicated video viewers may prefer the

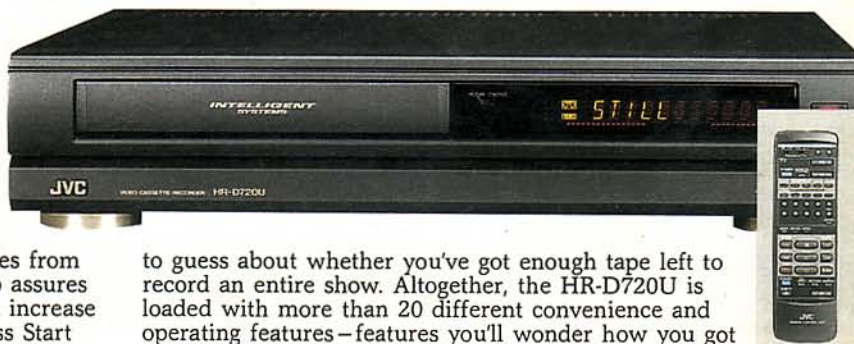


HR-DX40U with its Double-Azimuth 4-Head system for special effects that are completely free from video noise. Dim: 14 1/4"W x 3 3/4"H x 13 1/4"D. Warranty: 1 year parts/90 days labor. *HR-DX20U is pictured.*

Item #257HRDX20U List Price: \$350 **YOUR LOW PRICE: \$269**
Item #257HRDX40U List Price: \$400 **YOUR LOW PRICE: \$299**

JVC HR-D720U

The HR-D720U can display on-screen menus for programming, channel setting, clock setting and more in English or Spanish (or French). Now, that ability may not be at the top of everyone's list of great features, but for many of our Spanish-speaking or bilingual customers, it's a real breakthrough. What's more, this replacement for one of our top-selling models contains several important picture quality improvements. You can select from five different modes: Enhanced Mode reduces video noise for smoother pictures from poor-quality or much-played (like rental) tapes, Tape Dub assures best results in editing or dubbing, Soft and Sharp let you increase or decrease picture sharpness instantly. JVC's new Express Start system takes you from Stop to Play in just 0.3 seconds, as well as giving you faster search speeds. And you get a wide array of tape access functions including Index Search, Full/Segment Repeat, Retake, and more. The real-time counter means you'll never have

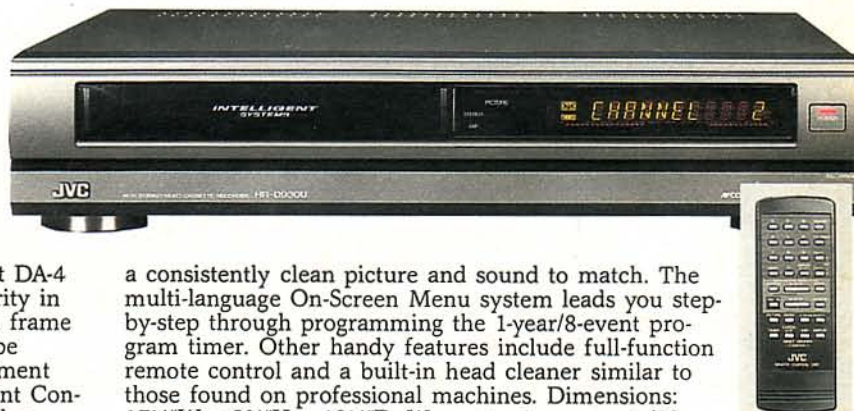


to guess about whether you've got enough tape left to record an entire show. Altogether, the HR-D720U is loaded with more than 20 different convenience and operating features—features you'll wonder how you got along without. Dimensions: 17 1/4"W x 3 3/4"H x 13 1/4"D. Warranty: 1 year parts/90 days labor.

Item #257HRD720U List Price: \$450 **YOUR LOW PRICE: \$349**

JVC HR-D930U NEW

If you haven't experienced a VCR with Hi-Fi stereo sound, you've missed out on half of the excitement. JVC's HR-D930U delivers a total entertainment package with superb video performance and seductive Hi-Fi stereo sound at a breakthrough price. Watching *Saturday Night Live*, *L.A. Law*, or any of your favorite shows takes on a whole new dimension when you hear it through the built-in MTS Stereo decoder. Pop in a tape—the HR-D930U's "Express Start" full-load mechanism has it up and running in just 0.3 seconds! Its Oval-Cut DA-4 (Double-Azimuth) video head system optimizes picture clarity in both fast and slow tape speeds, and provides stunning still frame and variable speed slow motion effects. JVC's advanced tape search conveniences all here too, including Index, Full/Segment Repeat, and Shuttle Search. With the HR-D930U's Intelligent Control System, you can select from five playback picture modes—Normal, Enhanced, Tape Dub, Soft Pix, and Sharp Pix—for the best possible picture quality, even from poorly-recorded videos or heavily-played rental tapes. And Digital A/V Tracking assures you



a consistently clean picture and sound to match. The multi-language On-Screen Menu system leads you step-by-step through programming the 1-year/8-event program timer. Other handy features include full-function remote control and a built-in head cleaner similar to those found on professional machines. Dimensions: 17 1/4"W x 3 3/4"H x 13 1/4"D. Warranty: 1 year parts/90 days labor.

Item #257HRD930U List Price: \$550
YOUR LOW PRICE: \$449

JVC HR-D970U

Boasting professional-style Jog/Shuttle controls and a remote-control that's among the most sensibly designed we've seen, the HR-D970U is one high-performance deck that didn't wind up looking like the cockpit of a jet fighter. The multi-purpose Jog/Shuttle dials on both the remote and the unit itself let you zip to any spot on the tape with pinpoint accuracy. With built-in Hi-Fi audio and a recording level control, the HR-D970U can deliver audio so excellent you'll be tempted to let it double as an audio tape recorder. (Go ahead. We think you'll be pleasantly surprised.) Just about every VCR convenience you can imagine is included. Especially useful are the flying erase head, real-time counter, digital A/V tracking, 4-week, 8-event program timer, and the Blank Search system. The powerful remote control is pre-programmed to operate most TVs (on/off, volume, channel



and TV/VIDEO switching). So whether you need a VCR for serious editing or just for fun, the HR-D970U is at the top of its class. Dimensions: 17 1/4"W x 3 3/4"H x 13 1/4"D. Warranty: 1 year parts/90 days labor.

Item #257HRD970U List Price: \$699
NEW LOW PRICE: \$549

Sony SLV-585HF

The SLV-585HF starts with outstanding picture quality, then backs it up with the punch of Hi-Fi Stereo for sound that's as much a treat for your ears as the picture is for your eyes. The SLV-585HF makes precise tape control easy with a Shuttle ring on the unit and remote for simple operation of all major functions: play, slow motion, frame advance (all in forward and reverse), fast forward, rewind and stop. This is one VCR that really is user-friendly, with an array of on-screen menus and messages that solve most operating problems and guide you through setting the program timer. For convenient copying of home movies, there's a set of input jacks on the front panel. And for those of us who've lived through power losses, the SLV-585HF has a battery backup that can hold the clock and timer function for up to three hours. Dimensions: 17"W x 3 3/8"H x 15 1/2"D. Warranty: 1 year parts/90 days labor. *SLV-585HF is pictured.*

Sony SLV-686HF The SLV-686 builds on the strengths of the



SLV-585HF, adding sophisticated editing features. It has a flying erase head, sure. But it also has pre-roll capability with 5 frame accuracy. And since this is a Hi-Fi Stereo deck, you can perform audio and video inserts. *Call for availability.*

Item #158SLV585 List Price: \$600 **YOUR LOW PRICE: \$499**

Item #158SLV686 List Price: \$650 **YOUR LOW PRICE: \$549**

Panasonic PV-4114

If you've heard the story about the toddler who fed his oatmeal to the VCR you can bet the VCR wasn't one of these Panasonic models. That's because Panasonic has thoughtfully included a hidden switch that locks and unlocks the cassette door to prevent accidental or undesired opening. So now you can be sure the only thing going into your VCR are tapes you put in. And if what you put in are often rented tapes, you'll appreciate the PV-4114's Digital Auto Picture, an automatic function that helps compensate for the weakened signal of heavily-viewed tapes. Special effects (still frames, slow motion, etc.) are little more special thanks to Panasonic's Hi-Tech-4 Video Head System. It makes possible a smoother, more detailed slow motion called Variable Double-Fine Slow. If you do any taping, the PV-4114 has a number of recording conveniences, including Time Search which will take you to any hour and minute point on a



tape. On top of all this, Panasonic VCRs are rated as among the most trouble-free, according to a top consumer reporting service. Dimensions: 15 1/8"W x 3 1/2"H x 11 1/4"D. Warranty: 1 year parts/90 days labor.

Item #133PV4114 List Price: \$379 **YOUR LOW PRICE: \$329**

Panasonic PV-4164

Along with the razor-sharp playback and special effects of Panasonic's Hi-Tech-4 Video Head System, the PV-4164 adds the audio punch of Hi-Fi stereo sound and MTS (stereo TV) decoding. In keeping with the movement towards simpler operation, the PV-4164 has a shuttle dial on the front panel that allows you to easily find any portion of a tape by moving forwards or backwards at up to 9X normal speed. Other tape search features include the ability to go to any point on a tape by specifying a location by hours and minutes, and an automatic function to take you to the end of the last recorded segment. Another welcome innovation is the child-proof tape door; a hidden switch keeps the door locked until you release it, assuring that no food, toys or little fingers inadvertently find their way into your VCR. Advanced features of the PV-4164 include the ability to play Super VHS tapes (although the resolution will be that of



standard VHS quality), front-panel A/V input/output jacks, and Digital Auto Play that helps compensate for the weakened signals of tapes (like rentals) that have been heavily used. Dimensions: 15 1/8"W x 3 1/2"H x 11 1/4"D. Warranty: 1 year parts/90 days labor.

Item #133PV4164 List Price: \$549 **YOUR LOW PRICE: \$479**

Sony "V" Video Tape

Sony's revolutionary V tape is manufactured using their exclusive particle hi-packing density technology, and super-tough DDL Binder formulation.

It all combines for exceptional jitter-free picture quality, more saturated colors, and much more dynamic sound. Experience the peak of video and audio performance. Sony V High Grade is excellent for Hi-Fi audio applications, while V Pro (not pictured) is designed to provide the ultimate in tape performance.

Item #158T120V **YOUR PRICE: \$3.99**
Item #158T120VHG **YOUR PRICE: \$4.99**
Item #158T120VPR **YOUR PRICE: \$7.99**



Blank Video Tape

Sony VHS

ES T-120, Standard Grade
Item #158T120ES **NEW PRICE: \$2.99 ea.**
ES-HG T-120, High Grade
Item #158T120HG **YOUR PRICE: \$4.29 ea.**

Maxell VHS

EX T-120, Standard Grade
Item #170EXT120 **YOUR PRICE: \$3.29 ea.**
HGX T-120, High Grade
Item #170HGXT120 **YOUR PRICE: \$3.99 ea.**
XL T-120, Hi-Fi Grade
Item #170T120XL **YOUR PRICE: \$5.29 ea.**

TDK VHS

EHG T-120, High Grade
Item #195T120EHG **NEW PRICE: \$3.99 ea.**
HiFi T-120, Hi-Fi Grade
Item #195T120HF **YOUR PRICE: \$5.49**

Super VHS

JVC Super VHS, T-120
Item #257ST120XG **NEW PRICE: \$8.99 ea.**
Maxell Super VHS, T-120
Item #170XRS120 **NEW PRICE: \$8.99 ea.**
TDK Super VHS T-120
Item #195ST120XP **NEW PRICE: \$8.99 ea.**

Sony Beta

L-750, Standard Grade
Item #158L750ES **YOUR PRICE: \$3.49 ea.**
ES-HG L-750, High Grade
Item #158L750HG **YOUR PRICE: \$4.99 ea.**
Pro-X L500 Pro Grade
Item #158L500PRO **YOUR PRICE: \$7.99 ea.**

8mm

Sony P6-60, 60-minute, metal particle
Item #158P660 **YOUR PRICE: \$4.99 ea.**
Sony P6-120, 120-minute, metal particle
Item #158P6120 **YOUR PRICE: \$6.99 ea.**
TDK P6-60, 60-minute, metal particle
Item #195P660HS **YOUR PRICE: \$4.99 ea.**
TDK P6-120, 120-minute, metal particle
Item #195P6120HS **YOUR PRICE: \$6.99 ea.**



JVC HR-S6700U Super VHS **NEW**

If you're the type of person who desires the best in video and audio performance, and the aesthetic appearance to match, you're going to love JVC's HR-S6700U. Built to please the most discerning videophile, this Super VHS, Hi-Fi Stereo VCR is one of the best-looking ever built. And it offers the impeccable performance we've learned to expect from JVC, the inventors of VHS. With extraordinarily high resolution (more than 400 horizontal lines), you'll be able to create home videos with picture quality that's better than live TV broadcasts. A Super DA-4 Head System, tape stabilizing drum, and advanced processing circuitry combine for crystal-clear, noise-free video that's second to none. Even multi-generation dubs or highly-edited videotapes will look sharp. Along with

dynamic Hi-Fi Stereo and a built-in MTS Stereo decoder, the HR-S6700U includes a Menu-driven Sound Processor that lets you choose from 5 different sound settings. You can boost stereo separation for a more lifelike video experience, or simulate stereo sound from mono sources! And Digital A/V tracking automatically maintains the most accurate video and audio performance.

Multi-purpose Jog/Shuttle controls on both the remote and VCR make operating and editing with the HR-S6700U a joy. Using the Shuttle ring, you can zip through segments at up to 11X normal (SP) speed to find your rough edit point. The Jog control then gives you the precise frame-by-frame movement you need to zero in on the exact edit point. From there you have an impressive list of editing features, including flying erase head for insert edits, a Retake function (for easy re-recording), mono audio dubbing (for changing the sound and not affecting the picture), and two sets of A/V inputs. The HR-S6700U's wide array of Search functions include Realtime Go-To, Index, Intro, Skip, and Real-time Search. Pop in a partially-recorded tape and Intelligent Blank Search will zip to the unrecorded portion of the tape, then display the time remaining for additional recording! Other conveniences include Full/Segment Repeat, a 1-month/8-event programmable timer, 24-hour instant timer, automatic head cleaner, multi-color on-screen menu, and a remote that's compatible with 38 major-brand TVs. Dimensions: 17 1/4" H x 4 1/2" W x 15 3/4" D. Warranty: 1 year parts/90 days labor.

Item #257HRS6700 List Price: \$1000 **YOUR LOW PRICE: \$799**

Sony KV-20EXR20

This high-performance 20" Sony Trinitron is more proof that bigger is not always better. With maximum horizontal resolution rated at 550 lines, the sleek KV-20EXR20 is ideal for Super VHS or LaserDisc movies. Color Pure Filter circuitry enhances fine details by separating color (chrominance) from picture (luminance) signals. To make your entertainment experience complete, quality stereo speakers and an MTS Stereo decoder are built in for the added dimension of stereo TV sound, and Matrix Surround Sound further heightens dramatic effects. There's even a variable audio output so you can connect the Sony to your stereo system and still adjust the volume with the TV remote control. Audio/video inputs, S-video input, and speaker-out terminals give you total flexibility. It includes a 181-channel tuner, and offers programmable timer/channel block to control what programs your children don't see, and a sleep timer. Dim: 20 3/4" W x 18 1/2" H x 19 1/2" D. Warranty: 1 year parts/90 days labor.

Item #15820EXR20 List Price: \$579 **YOUR LOW PRICE: \$499***



Rabbit VC-2000 / VC-5000 Videocasters

Now, whatever you're watching on one TV can be watched on any other TV in your house—without running any wires! The FCC-approved Rabbit wireless system transmits video (and audio) signals up to 120 feet away. Connect the transmitter to your

source, the receiver to your second TV and sit back. Watch videotapes on any TV in your home. Watch the same movie on two or more TVs. Or use it with a camcorder to broadcast pictures directly to your TV or VCR. The VC-2000 transmits mono audio and has a fine-tuning control. The more advanced VC-5000 is stereo capable and crystal-controlled to eliminate the need for fine tuning. Warranty: 90 days. VC-2000 is pictured.

Item #085VC2000 **NEW LOW PRICE: \$69**
Item #085VC5000 **YOUR LOW PRICE: \$119**



JVC AV-2061 **NEW**

The square, tinted picture tube of JVC's inexpensive 20" AV-2061 produces images that are sharp and detailed. Whether you're viewing cable, over-the-air broadcasts, or your favorite videos, the AV-2061 really delivers with 180-channel tuning, an MTS stereo/SAP decoder, and built-in stereo amplifier. The perfect "family TV," its Channel Guard feature lets you block up to 3 channels that are off limits to the kids. And it offers Choice Programming for instant recall of your 5 favorite channels. Other neat features include Channel Scan, Homesitter (for turning the TV on and off periodically while you're away), a 12-hour sleep timer, dual on timer for 2 separate programs, on-screen display, and a full-function remote control. Back panel jacks include 1 audio/video input and a variable audio output. Dimensions: 20" W x 18 1/2" H x 19 1/2" D. Warranty: 2 years picture tube/1 year parts and labor.

Item #257AV2061 List Price: \$480 **YOUR LOW PRICE: \$399***



Panasonic CTM-2068S

With Panasonic's new Dome Sound System, the CTM-2068S's speaker units are mounted in a sealed chamber in the rear; sound is projected through ultra-slim grilles on the front of the set. This space-saving design delivers really impressive stereo sound, even when placed in a wall unit! The 20" screen boasts horizontal resolution rated at over 500 lines. Features include a 155-channel tuner, MTS stereo/SAP decoder, notch filter, automatic scan and programming, on-screen display, convenient ON/sleep timer, and audio/video and S-Video inputs. You can even make all picture and sound adjustments from the remote control! Dim: 21 3/4" W x 18" H x 18 1/2" D. Warranty: 2 years picture tube/1 year parts/90 days labor. Made in USA.

Item #133CTM2068 List Price: \$599 **YOUR LOW PRICE: \$499***



* Price includes FREE Federal Express Standard-Air delivery.

Image Sensor/Pixels—The image sensor changes light images into electrical voltage variations. To produce a camcorder that is small and light-weight, most manufacturers use a very small LSI chip called a CCD (charge coupled device) as an image sensor. The number of pixels (picture elements) on the CCD (and the size of the CCD itself) affects the detail and "smoothness" of a video image. The pixel count listed for each camcorder is the "effective" number of pixels (those that actually produce an image), as opposed to the "gross" or overall number of pixels.

Electronic Shutter Speeds—The standard electronic shutter speed of most camcorders is 1/60 of a second. This is fine for most applications. However, to capture clear, sharp images of fast-moving objects, faster shutter speeds may be necessary. Keep in mind that the faster the shut-

ter speed used, the greater the amount of light needed.

Minimum Illumination—The minimum amount of light a camcorder needs to produce an acceptable picture is expressed in lux — a metric measurement of the intensity of a light source. (A sunny day at noon is about 100,000 lux, candlelight from 8" away is less than 10 lux.) However, each camcorder manufacturer has a slightly different technical definition for an acceptable picture. Thus, the lux ratings are comparable only between models from the same manufacturer.

Digital Superimposer—Allows you to add titles or graphics to your videos. The image to be superimposed is drawn or printed on a blank sheet of paper, recorded by the camcorder and stored in its memory. Later, while recording a scene,

the image can be superimposed in color over the action at the press of a button. Our chart lists how many pages of graphics or titles can be stored and the number of colors you can choose from.

Special Features: A—Macro function with autofocus B—Date/time insert C—Age insert D—Audio & video fade in/fade out E—Video fade in/fade out F—Time lapse recording G—Self-timer recording H—Remote control of major recording and playback functions I—Remote control of playback functions J—Panasonic Feature Package: Electronic Image Stabilization, Strobe progression recording, Mirror Image special effect K—One-piece snap-on power/video/audio connection for home playback L—Built-in character generator M—Video light included N—Stereo audio recording O—Flying erase head.

Model	Format	Lens	Zoom	Imager/ Pixels	Electronic Shutter Speeds	Min. Illumin.	Digital Superimposer	Special Features	Weight w/battery	List Price	Your Low Price
Canon E65	8mm	f/2	10X	1/2" CCD/250,000	7 steps to 1/4,000	2 lux	1 page/7 colors	A, B, D, F, G, H, L, M, O	2.6 lbs.	\$1499	\$999
Canon H800	Hi-Band 8mm	f/1.4	8X	1/2" CCD/330,000	5 steps to 1/2,000	5 lux	1 page/8 colors	A, B, D, F, G, H, L, N, O	3.1 lbs.	\$1749	\$1299
Panasonic PV-750	VHS	f/1.4	20X (digital)	1/2" CCD/330,000	8 steps to 1/10,000	4 lux	—	A, B, E, F, G, J, M, O	4.8 lbs.	\$1249	\$1199
Sharp VL-L50U	VHS	f/1.8	12X	1/2" CCD/278,000	5 steps to 1/10,000	1 lux	—	A, B, D, F, G, O	4.2 lbs.	\$1330	\$899
Sony CCD-F301	8mm	f/1.6	8X	1/2" CCD/250,000	6 steps to 1/4,000	2 lux	—	A, B, C, D, I, K, O	3.1 lbs.	\$1100	\$799
Sony CCD-F401	8mm	f/1.6	8X	1/2" CCD/250,000	6 steps to 1/4,000	2 lux	1 page/8 colors	A, B, C, D, G, H, K, O	3.1 lbs.	\$1200	\$899
Sony CCD-F77	8mm	f/1.6	8X	1/2" CCD/250,000	5 steps to 1/4,000	2 lux	2 pages/8 colors	A, B, C, D, H, K, N, O	3.1 lbs.	\$1500	\$999
Sony CCD-TR6	8mm	f/1.6	8X	1/2" CCD/250,000	6 steps to 1/4,000	4 lux	1 page/ 8 colors	A, B, D, O	2.6 lbs.	\$1200	\$799

Sony CCD-F301 / CCD-F401 8mm



For customers who want true flexibility in 8mm video recording and playback, we have Sony's "F" series camcorders. Sony's exclusive Quick Record Mechanism starts recording instantly so you can capture the unexpected. These models have superior low light capability, wireless remote control of playback functions, and a one-piece snap-on video/audio/power connection simplifies playback through any TV. The CCD-F401 (pictured) adds remote control of recording functions, an oversized viewfinder, forward and reverse slow-motion playback, and two auto-exposure settings: Portrait (for close-ups when the background isn't important) and Sports (for fast-moving action).

Supplied Accessories: worldwide AC adapter/recharger, rechargeable battery, snap-on camcorder to TV adapter, remote control. Dimensions: 4 1/4"W x 5 1/2"H x 12 1/4"D. Warranty: 1 year parts/90 days labor.

Item #158CCDF301 List Price: \$1100 **NEW LOW PRICE: \$799**
Item #158CCDF401 List Price: \$1200 **NEW LOW PRICE: \$899**

Sony CCD-F77 8mm **NEW**

The Sony CCD-F77 is designed for the more advanced camcorder user. In addition to the features of the CCD-F401 (above), you also get Hi-Fi stereo audio recording and playback. The CCD-F77 is equipped with a built-in stereo microphone, capturing even subtle sounds and spatial relationships for greater realism in your soundtracks.

Supplied Accessories: remote control, worldwide AC adapter/recharger, rechargeable battery, snap-on camcorder to TV adapter, shoulder strap. Dim: 4 1/4"W x 6 1/4"H x 12 1/4"D. Warranty: 1 year parts/90 days labor.

Item#158CCDF77 List Price: \$1500 **YOUR LOW PRICE: \$999**

Sony CCD-TR6 8mm

The pocket-sized CCD-TR6 is perfect for the times when you want a camcorder with you, but don't want to have to carry it in your hands the whole time. Riding, playing, walking, working, the incredibly compact CCD-TR6 is small enough to fit in a purse, a backpack or a large coat pocket so it can go places you might never have thought video would. A marvel of miniaturization, it gives you totally automatic, point and shoot simplicity, including Quick Record for instant taping.

Supplied Accessories: worldwide AC adapter/recharger, rechargeable battery, camcorder to TV connector, shoulder strap. Dimensions: 5"W x 4 1/4"H 7 3/4"D. Warranty: 1 year parts/90 days labor.

Item #158CCDTR6 List Price: \$1200 **NEW LOW PRICE: \$799**

Canon E65 8mm **NEW**

A first-class lens design and simple operation mean everyone in your family can get great results from Canon's E65. When you switch it on, Autofocus, Auto Exposure and Auto White Balance are activated automatically—all you have to do is aim and shoot. Extras include a 25-zone white balance system for superior automatic white balance accuracy even when there are many different colors in the same scene, and a two-zone metering system that determines optimum exposure and automatically compensates for backlight conditions.

Supplied Accessories: AC power adapter, battery recharger, rechargeable battery, shoulder strap, camcorder to TV connector, video light, remote control, hard-shell carrying case. Dimensions: 4 3/4"W x 5"H x 11 1/8"D.

Item #270E65 List Price: \$1499 **YOUR LOW PRICE: \$999**



Canon H800 Hi-Band 8mm

The Canon H800's Hi-Band 8mm system, like Super VHS, delivers a significantly sharper picture with real depth and details that stand out with remarkable clarity. Hi-fi stereo sound recording increases the realism. The H800 has "fuzzy logic" autofocus driven by a microprocessor brain for extraordinarily fast focusing decisions implemented by a 127-stage focusing motor (compared to 3-stage motors on ordinary camcorders). Auto Tracking is another advance in the H800, just center your subject to begin and the camcorder will stay locked on. No matter where in the frame your subject moves, the camera won't be fooled into focusing on something else.

Supplied accessories: AC adapter, recharger, battery pack, RF TV connection, S-video cable, audio cable, wireless remote. Dimensions: 4½"W x 4 5"H x 11¾"D. Warranty: 1 year parts/90 days labor.

Item #270H800 List Price: \$1749 **YOUR LOW PRICE: \$1299**



Sharp VL-L50U VHS

NEW

The VL-L50U is the kind of camcorder we would recommend to friends and neighbors looking for their first camcorder. You see, this Slim-Cam is the most compact and lightweight full-size VHS camcorder you can find. Second, it's really easy to operate, and its special features are designed to very high standards. For example, while practically all camcorders have a power zoom function, the VL-L50U's is a 12X variable-speed zoom...take as little or much time as you want to go from a wide shot to a close-up (or vice-versa). The 1 lux rating means you can shoot in almost any light, and the Flying Erase head makes clean scene-to-scene edits. The VL-L50U uses standard VHS cassettes, the kind that play in practically anyone's VCR without special adapters or complicated wiring. (Order the VL-L50U and we'll include a soft-sided carrying case—an \$80 value—free.)

Supplied Accessories: soft carrying case, AC adapter/recharger, rechargeable battery, shoulder strap, camcorder to TV connector. Dimensions: 3¼"W x 8¼"H x 13¾"D. Warranty: 1 year parts/90 days labor.

Item #700VLL50U List Price: \$1330 **YOUR LOW PRICE: \$899**



Panasonic PV-750 VHS

Fans of full-size VHS (and there are legions of them if sales are any indication) will really appreciate the PV-750. It delivers the picture clarity and color accuracy that's made Panasonic a top-rated camcorder brand. Add in all its special features and the PV-750 is an impressive creative tool. Electronic Image Stabilization eliminates much of the "shakes" from hand-held recording. And, if you find the 8X zoom range too limiting, you can kick in the PV-750's 20:1 digital zoom at the press of a button. The full Range Auto-Focus continuously focuses on your subject to give you an in-focus recording even of moving objects from as close as 3" all the way out to infinity.

Supplied Accessories: carrying case, 10W video light, AC adapter/recharger, rechargeable battery, camcorder to TV connector, shoulder strap. Dimensions: 3¾"W x 8¼"H x 14¾"D. Warranty: 1 year parts/90 days labor.

Item #133PV750 List Price: \$1249 **YOUR LOW PRICE: \$1199**



Pattern 100

The Pattern 100 is the perfect way to bring out compelling stereo sound from your stereo TV or Hi-Fi VCR. The small size of the high/mid frequency, magnetically-shielded satellite speakers makes them easy to set up and conceal; and their pivoting cabinets let you adjust the sound radiation pattern. The subwoofer uses active equalization circuitry to give you bass you feel as well as hear, even at low volume levels. Built into the subwoofer cabinet are two amps (one to drive the subwoofer, another for the satellites) for 60 watts of power that in reality sounds *twice* as powerful.

Features: 2 sets of twin 3" tweeter/mid drivers housed in separate cubes (4"W x 7¼"H x 4"D each set), vented subwoofer module (19¾"W x 12¾"H x 9"D), 60 watts total power (15/15/30).

Warranty: 2 years.

Item #012PAT100

List Price: \$479

NEW LOW PRICE: \$399

Optional Stands

Item #012135ST

YOUR PRICE: \$89 pair



Pattern 200 Home Theater System

If you have a TV and a Hi-Fi VCR, adding the Pattern 200 system will give you a total Pro Logic home theater system in just minutes—without filling your room with a lot of clutter. You get everything you need for great movie sound: all of the speakers, amplifiers, cables and precise Dolby Pro Logic decoding, along with a remote control. The satellite speakers are so small you'll hardly notice them—until the entire room fills with powerful and spacious sound. The subwoofer cabinet houses two 8" long-throw woofers (capable of bass down to 38 Hz) and six separate amplifiers to power the entire system. The decoder can be used in Stereo Mode (front left and right, plus subwoofer) or Pro Logic Mode (front left and right, rear surround, center dialog, plus subwoofer). Three line-level inputs and a speaker-level input mean you can plug in your VCR, laser disc player, CD player, and even stereo TV.

The system is deliberately easy to set-up and use. Its specially designed cables are color-coded and plug into clearly-labeled sockets. The remote control includes a switch for the test signal to help you balance the center and surround channels, a master volume control, and individual volume adjustments for the bass, center and surround.

Features: 5 sets of twin 3" tweeter/mid drivers housed in separate cubes which pivot for independent acoustic adjustment (4"W x 7¼"H x 4"D each set), ported subwoofer module (21"W x 13¼"H x 8¼"D), Dolby Pro Logic Decoder (12¾"W x 2"H x 8¼"D), remote control. Warranty: 2 years.

Item #700PAT200 List Price: \$1199 **NEW LOW PRICE: \$1099**

Optional Stands Item #012135ST **YOUR PRICE: \$89 pair**



NCI Telecaption 4000 Closed-Caption Decoder

If a family member or a friend has trouble hearing TV dialog, this closed caption decoder will be much appreciated. Over 350 hours of TV programming is broadcast every week with dialog and narrative presented as subtitles. To see the subtitles requires only this inexpensive decoder from NCI, the National Captioning Institute. For many of the nation's 21 million deaf and hearing-impaired people, the decoder can open up a whole new world. Other uses include helping immigrants and students learn English. The Telecaption 4000 features a 113-channel tuner and remote control of volume adjustment and channel programming. It connects to any TV, VCR, cable TV hookup or satellite receiver. Dim: 10"W x 2½"H x 8¾"D. Warranty: 1 year.

Item #068NCI4000 **YOUR PRICE: \$179**

Video Head Cleaner

The All-sop 3 VCR cleaning system uses a patented, non-abrasive cleaning ribbon which is alternately wet and dry. The wet portions dissolve harmful pollutants, the dry portions remove them from your VCR's heads and tape path. Separate felt pads scrub dirt and oxides from the drive system. The VHS version will do 150 cleanings; the 8mm version about 100.

VHS Cleaner

Item #28761500 **YOUR PRICE: \$19**

8mm Cleaner

Item #28765000 **YOUR PRICE: \$19**

Kenwood LSK-06S Surround Speakers

These inexpensive surround sound speakers from Kenwood will really improve the sound (and appearance) of your A/V system. The handsome enclosures have a vinyl teak finish. They can be placed vertically or horizontally. Wall mounting brackets are included. Frequency Response 80-20,000 Hz, Maximum Power 40 watts, 8-ohm impedance. Dimensions 10½"H x 7¾"W x 5¾"D.

Item #113LSK06S

YOUR LOW PRICE: \$69 pair



Memorex CP8 Turbo Programmable Remote

With the CP8 Universal Remote, you have complete control of up to 8 different components, no matter what brand. To teach the Turbo the commands for your audio and video gear, just place each remote end-to-end with the Turbo and press the appropriate keys. The write-on keypad panels let you label commands, while a pushbutton light illuminates the LCD information panel for nighttime use. Other conveniences include a clock and a sequence feature that lets you program and store in memory as many as 35 function sequences of up to 48 commands each! Other Turbo features we really like are the comfortable rocker-style volume and channel keys, and the 16-event scheduler to automatically turn your equipment on and off. Dimensions: 3½"W x 1¼"H x 8¾"L. Warranty: 90 days.

Item #203CPTURBO List Price: \$120

YOUR LOW PRICE: \$99



Video-cassette Rewinder

Spare your VCR motor from unnecessary wear by using this inexpensive accessory to rewind your tapes. It's also handy when you're rushing to get rental tapes back to the store. Instead of starting up your VCR, just pop the tape into the re-winder. For VHS tapes only. Dim: 5¼"W x 2½"H x 11½"D. Warranty: 90 days.

Item #085RW2200 **YOUR LOW PRICE: \$19**



VCR Plus+ **NEW**

Programming a VCR is no longer a chore, thanks to VCR Plus+. Its one-step programming is as easy as dialing your telephone! No more messing (and guessing) with your VCR or cable box when you want to record a show—just punch in the program's PlusCode (found next to its title in your local TV listings or in TV Guide) and choose whether you want to record the program once, everyday Monday-Friday (great for news programs or soaps), or the same time each week. That's all it takes! Leave VCR Plus+ on top or near your VCR or cable box and it will do the rest—from changing channels on your cable box to calculating the amount of tape you need for the next 24 hours. You can even store up to 14 programs in memory for taping (that's 2-3 times the capacity of a normal VCR)! VCR Plus+ works with virtually any wireless remote-controlled VCR, and there's no installation or hook-up necessary. Warranty: 90 days.

Item #266VCRPLUS List Price: \$70

YOUR LOW PRICE: \$59.95



Kenwood SS-79 Surround Sound System

True Dolby Surround Sound is now affordable. In one package you get a Dolby Surround decoder, 10 watt rear channel amp, and a pair of surround speakers that can sit on a bookshelf or hang on the wall (brackets included). Controls include switchable digital delay, volume, input balance, 5-LED calibration indicator. Dim: (decoder/amp) 17¾"W x 3"H x 10½"D, (speakers) 7½"H x 5½"W x 5"D. Warr: 2 years.

Item #700SS79 List Price: \$249 **YOUR LOW PRICE: \$199**



Monster Video-2 Cables

For connecting two VCRs or your VCR to your TV, you can't do better than Monster Cable Video-2. They're not cheap, but so much goes into each one: a special multi-strand copper center conductor to handle the extended bandwidth, double shielding against RF and electrical interference, and precision connectors (RCA, F-type, or S-VHS) with 24K gold plating.

1-meter cable with RCA-type connectors

Item #119MV2R1M **\$14 each**

2-meter cable with RCA-type connectors

Item #119MV2R2M **\$19 each**

1-meter cable w/threaded F-type connectors

Item #119MV2F1M **\$16 each**

2-meter cable w/threaded F-type connectors

Item #119MV2F2M **\$21 each**

1-meter cable with S-VHS connectors

Item #119MVS1M **\$16 each**

3-meter cable with S-VHS connectors

Item #119MVS3M **\$24 each**

8-meter cable with S-VHS connectors

Item #119MVS8M **\$29 each**

Sole Control Universal Replacement Remote **NEW**

A pre-programmed universal remote that doesn't require any learning time—now that's convenience! Sole Control can operate up to 6 video components (2 or 3 TVs, 2 or 3 VCRs, and 1 cable system) from more than 250 different models. Just dial in your brand's code number (a list comes with the remote) and it's ready to use! Sole Control will operate all functions the same as your original remote control, so it's the perfect replacement for lost or broken remotes, or for unifying all your video remotes into one. Dimensions: 2½"W x 5¾"H x 7½"L. Warranty: 1 year. Made in USA.

Item #098SC500 **YOUR LOW PRICE: \$59**



Telephones

118

1-800-446-1640

Telephone Features

- **Autodialer**—lets you store frequently-called or emergency phone numbers in a battery-protected memory so that you don't have to dial the entire number each time. Autodialers offer one-touch operation, speed-dialing, or both.
- **One-touch operation**—provides individual direct-access buttons for each phone number.
- **Speed dialing**—these memories are assigned a code (usually a 1- or 2-digit number), and accessed through the keypad.
- **Auto Busy Redial**—continues to dial a busy number automatically up to 15 times.
- **True Hold**—lets you place the caller on hold, then pick up from any extension.

Answering Machine Features

- **Beeperless remote operation**—allows you to retrieve messages and perform other functions (like outgoing message change) remotely from any touch tone phone, with no more beepers to carry around or keep track of. All of our answering machines include this feature.
- **Call screening**—lets you hear the caller's voice over a speaker when the machine answers so you can decide whether to take the call or let the machine take a message.
- **Auto disconnect**—allows you to interrupt the machine as it's taking a message (even from another extension) so that you can take the call.

- **Toll saver**—if your business requires you to travel frequently, the Toll Saver feature can save you plenty on long distance charges. When you call in, the machine informs you via the number of rings whether or not you've received any messages. If not, hang up and pay nothing.
- **Message forwarding**—a useful feature for getting your messages quickly when you're on the go. Just program in the phone number you'll be at and as soon as the machine takes a message, it dials the programmed number and delivers the message!

Feature Phones

	Switchable tone/pulse	One-touch dialing memories (digits)	Speed-dialing memories (digits)	On-hook dialing	Speakerphone	Last number redial	Auto busy redial	Programmable pause	Flash key	True hold	Mute	Adjustable ringer volume	Two-line capability	Built-in answering machine	Desk/wall mountable	Warranty	List Price	Your Low Price
Kenwood IS-M20	✓	—	10(16)	✓		✓	✓	✓		✓		✓		✓		1 yr	\$199	\$159
Kenwood IS-M40	✓	—	10(16)	✓	✓	✓	✓	✓		✓	✓	✓		✓		1 yr	\$249	\$199
Panasonic XT-2315	✓	8(16)	20(16)	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	1 yr	\$65	\$49
Panasonic XT-2365	✓	28(16)	—	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	1 yr	\$85	\$69
Panasonic XT-2395	✓	12(16)	—	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	1 yr	\$115	\$99
Panasonic XT-3155	✓	28(16)	20(16)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	1 yr	\$120	\$99
Panasonic XT-3120	✓	8(16)	20(16)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	1 yr	\$95	\$79
Panasonic XT-3730	✓	—	10(16)		✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	1 yr	\$150	\$119
Panasonic XT-3910	✓	16(16)	—		✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	1 yr	\$190	\$139
Panasonic XT-2460	✓	12(16)	—	✓		✓	✓	✓	✓	✓	✓	✓		✓	✓	1 yr	\$150	\$129
Panasonic XT-2470	✓	12(16)	20(16)	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	1 yr	\$190	\$159
Panasonic XT-2634	✓	12(16)	12(16)	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	1 yr	\$185	\$159
Panasonic XT-2740	✓	20(16)	10(16)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	1 yr	\$260	\$219
Panasonic XT-4200	✓	—	10(16)			✓	✓	✓	✓	✓	✓	✓		✓	✓	1 yr	\$210	\$169
Sony SPP-120	✓	3(16)	10(16)			✓	✓	✓	✓	✓	✓	✓				1 yr	\$240	\$179
Sony SPP-170	✓	3(16)	10(16)		base only	✓	✓	✓	✓	✓	✓	✓				1 yr	\$270	\$199
Sony SPP-320	✓	3(16)	—	base only	base only	✓	✓	✓	✓	✓	✓	✓			base	1 yr	\$360	\$279
Sony ITA305	✓	5(16)	15(16)	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	1 yr	\$210	\$139

Answering Machines

	Voice activated recording	System type C-Cassette M-Microcassette	Max. incoming message length (sec.)	Max. outgoing message length (sec.)	Beeperless remote operation	Remote change of outgoing message	Remote on/off	Message forwarding	Ring select	Toll saver	Call screening	Auto disconnect	Time/day stamp	Conversation recording	Message counter	Built-in feature phone	Desk/wall mountable	Warranty	List Price	Your Low Price
AT&T 1337	✓	—	60	60	✓	✓	✓		✓	✓	✓	✓			LED			2 yrs	\$140	\$119
Kenwood IS-M20	✓	M(1)	unlim	12	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓		1 yr	\$199	\$159
Kenwood IS-M40	✓	M(1)	unlim	16	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓		1 yr	\$249	\$199
Panasonic XT-1455	✓	C(2)	unlim	unlim	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	LED			1 yr	\$100	\$79
Panasonic XT-1470	✓	C(2)	unlim	unlim	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	LCD			1 yr	\$130	\$109
Panasonic XT-2395	✓	M(1)	60	30	✓		on	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	1 yr	\$115	\$99
Panasonic XT-2460	✓	C(2)	unlim	unlim	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	1 yr	\$150	\$129
Panasonic XT-2470	✓	C(2)	unlim	unlim	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	1 yr	\$190	\$159
Panasonic XT-2634	✓	M(1)	unlim.	16	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	LCD	✓	✓	1 yr	\$185	\$159
Panasonic XT-2740	✓	M(2)	unlim	unlim	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	LCD	✓	✓	1 yr	\$260	\$219
Panasonic XT-4200	✓	M(1)	unlim	16	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	LED	✓	✓	1 yr	\$210	\$169
Phone-Mate 7100	✓	C(2)	unlim	26	✓	✓	on		✓	✓	✓	✓			LED			1 yr	\$140	\$69
Sony ITA305	✓	M(1)	240	16	✓	✓	✓		✓	✓	✓	✓		✓	LED	✓	✓	1 yr	\$210	\$139

Panasonic XT-2315 / XT-3120

The affordable XT-2315 gives you access to 8 one-touch buttons for your most frequently called numbers, and speed dialing for up to 20 16-digit numbers.

With its built-in speakerphone, you'll enjoy on-hook dialing and hands-free conversation. Numerous other features include a handy Mute button, last number redial, electronic Hold, programmable Pause, Flash key, switchable tone/pulse operation, and 3-step ringer level. There's even a switch that lets you limit use to local calls (great for restricting unauthorized "900" number calls). Panasonic's XT-3120, with the same great features, is our most affordable 2-line feature phone. With separate LED indicators and ringer tones for each line, you'll always know which line is in use. Its electronic Hold lets you alternate between calls on Line 1 and Line 2, or you can use the conference feature for 3-way conversation. One year warranty.

Item #133XT2315 List Price: \$65

YOUR LOW PRICE: \$49 (pictured)

Item #133XT3120 List Price: \$95

YOUR LOW PRICE: \$79



Panasonic XT-2365

Panasonic delivers another feature-packed bargain with the XT-2365. Starting from the top, you get a 12-digit LCD display that includes phone number, clock, and call timer. Imagine how much more efficient your phone time will become with fewer misdials and a constant reminder of time spent on each call. You'll feel like an executive, with speakerphone conveniences like hands-free conversation and on-hook dialing. The built-in auto-dialer provides one-touch access to as many as 28 16-digit numbers, and Automatic Redial will keep trying a busy number up to 15 times in 10 minutes. The other features you expect from Panasonic are all here: Flash and programmable Pause keys, adjustable ringer volume, Electronic True Hold, and switchable tone/pulse operation. The wall-mountable XT-2365 is one very smart phone. One year warranty.

Item #133XT2365 List Price: \$85

YOUR LOW PRICE: \$69



Panasonic XT-3155 Two-line

Panasonic's stylish 2-line XT-3155 is as effective in the office as it is at home. The built-in auto-dialer provides instant access to as many as 48 16-digit numbers, and the speakerphone gives you the convenience of hands-free conversation and on-hook dialing. Separate LEDs and ringer tones tell you which line is in use, while 3-way conference capability helps you get more accomplished on business calls and have more fun talking with friends or relatives. The easy-to-read LCD panel displays time of day, the number dialed, and call duration. Auto busy redial makes life easy by dialing a busy number up to 15 times in ten minutes. The XT-3155 offers switchable tone/pulse operation, along with the many other standard Panasonic features you won't always find with other brands. One year warranty.

Item #133XT3155 List Price: \$120

YOUR LOW PRICE: \$99



Panasonic XT-2395 Phone/Answering Machine

The easy-to-operate XT-2395 is a feature-packed phone/answering machine combo that sports a clean, straightforward look. As an answering machine, the XT-2395 uses a single microcassette to record both your greeting and any incoming messages or personal memos (30-second limit). It features one-touch message playback, call screening, 2-way recording, 5-function remote operation from any touch tone phone, toll saver, and a blinking LED call counter (up to 15 calls). As a feature phone, the XT-2395 offers a built-in speakerphone with on-hook dialing for hands-free and group conversations. You also get auto dialing for up to 12 16-digit numbers, and one-touch redial for numbers with up to 30 digits. Other great Panasonic features include electronic Hold, tone/pulse switching, desk or wall mounting, and 3-step ringer volume control. One year warranty.

Item #133XT2395 List Price: \$115

YOUR LOW PRICE: \$99

Panasonic XT-2740 Two-line Phone/Answering Machine

If you have two phone lines in your home, that's twice as many messages you have a chance of missing. Panasonic's new XT-2740 won't let that happen. It pulls double duty as a two-line phone and a two-line answering machine. There are separate microcassettes for your greetings and incoming messages, and you can record different greetings for each line. You have complete beeperless remote control from any touch tone phone, and a voice-synthesized remote menu to guide you through. Other performance features include 1000 user-programmable security codes and voice time/day stamp for each message. Telephone features include a 30-number autodialer, speakerphone for hands-free conversation and conference calls, and handy Auto Busy Redial. This compact beauty is desk- or wall-mountable. One year warranty.

Item #133XT2740 List Price: \$260

YOUR LOW PRICE: \$219

Sony SPP-320

Sony's top-of-the-line SPP-320 delivers the finest cordless sound quality we've ever experienced. It's really two phones. The base has a built-in feature phone, complete with corded handset, one-touch autodialer and speakerphone. You can mount it on a desk or wall. Then just keep the cordless handset wherever it's handiest. The cordless has 3 one-touch memories of its own and can also access the numbers stored in the base unit. Sony's dual battery design—one powers the cordless handset while the other charges up in the base—means you'll never have to remember to put the handset back in the base. In Battery Save mode, the ringer on the cordless handset doesn't sound, so the battery lasts for months without recharging! Whether you're talking about looks, intelligent design, or performance, the SPP-320 is in a class by itself. One year warranty.

Item #158SPP320B List Price: \$360

YOUR LOW PRICE: \$279



Panasonic XT-2460 / XT-2470

These smart Panasonics are indispensable communication tools for today's busy homes and businesses. Their feature phones deliver superior sound quality, and their dual-cassette answering machines offer convenient one-touch playback operation, and so many features that we can only cover the highlights. You can record two separate greetings, and even choose the "announce only" mode when it's not necessary for callers to leave messages. You also get remote operation, message transfer, call screening, call counter, and a voice synthesized time/day stamp. Their feature phone conveniences include auto dialing for 12 one-touch numbers, auto busy redial, true Hold, and desk or wall mounting. The advanced XT-2470's answering system adds a voice menu to assist with remote operation and offers 1000 security codes (XT-2460 has 20) to assure privacy. The XT-2470's feature phone adds a speakerphone for hands-free conversation. One year warranty. *XT-2470 is pictured.*

Item #133XT2460 List Price: \$150
YOUR LOW PRICE: \$129

Item #133XT2470 List Price: \$190
YOUR LOW PRICE: \$159.

AT&T 1337 Digital Answering Machine

NEW

Imagine a "tape-less" answering device without all those noisy moving parts. No tapes to rewind, fast forward, or replace. Instantaneous playback and direct access to a particular message without waiting. The ability to delete some messages and not others. Sound too good to be true? AT&T's compact 1337 gives you all that, and more! Your messages are digitally stored on a microchip that allows up to 7 minutes of voice-activated recording. It provides one-touch message playback, then automatically sets to receive new incoming calls. Outgoing Announcement Bypass lets frequent callers skip over your greeting by pressing a button. Other conveniences include a personal memo button, remote operation (on/off, message retrieval, and change outgoing message), announce only mode, LED message counter, ring select, and toll saver. Dimensions: 6"W x 5½"H x 2½"D. Two year warranty.

Item #3511337 List Price: \$140
YOUR LOW PRICE: \$119



Panasonic XT-2634

The all-in-one XT-2634 is a stylish solution to the telephone and answering machine needs of any busy home or office. It combines a feature phone, autodialer, speakerphone, and beeperless answering machine. From any touch-tone phone you have access to 16 functions: retrieve messages, change your greeting, reset, and even turn the machine on or off. Your personal greeting is recorded on a microchip, while incoming messages go on a microcassette. Message Transfer can record a message, then forward it to you at another phone, so you can stay in touch. An LCD panel counts your messages as they come in. A synthesized voice guides you through answering machine functions and tells you the time and day each message was received. The built-in autodialer has 12 one-touch and 12 speed-dial memories, plus Auto Busy Redial. You'll like the speakerphone conveniences of hands-free talking and on-hook dialing. One year warranty.

Item #133XT2634 List Price: \$185
YOUR LOW PRICE: \$159



NEW

Kenwood IS-M20 / IS-M40

What you see is elegant simplicity. What you get are two sophisticated telephone/answering machines with a host of easy-to-use features. Kenwood's white IS-M20 offers 10 speed-dialing memories, automatic redial for up to 9 times, and on-hook dialing. When you want privacy, a Secret Call function allows up to 10 select callers through, while all others (like annoying solicitors) are ignored. Its answering machine begins recording when your greeting starts, so confused callers who talk during the greeting can be identified. And you can turn it on (or off) and retrieve messages from any touch-tone phone. Other conveniences include call screening, toll saver, message counter, and Time/Day stamp. The sleek IS-M40 (in black) adds a speakerphone, message forwarding, and a large multi-function button for easy use. Its dial pad is softly illuminated when you lift the handset. One year warranty.

Item #113ISM20 List Price: \$199
YOUR LOW PRICE: \$159
Item #113ISM40 List Price: \$249
YOUR LOW PRICE: \$199



Sony IT-A305

NEW

From its sleek Sony styling to an impressive array of features, the IT-A305 makes quite a statement. As a feature phone, it offers 5 one-touch and 15 speed-dialing memories. Last number redial is included, and a convenient Scratchpad button lets you key a number in dedicated memory while you talk, or simply store the last number dialed for later use. A speakerphone with on-hook dialing frees your busy hands. Other conveniences include electronic Hold, Flash key, and tone/pulse operation. As an answering device, it records your greeting on an IC chip and incoming messages on a microcassette. You can select Announce Only mode when it's not convenient for others to leave messages. And you can leave a personal memo for family members or co-workers. It also offers 2-way conversation recording, call screening, remote operation from any touch tone phone, toll saver, and it's desk/wall mountable. One year warranty.

Item #158ITA305 List Price: \$210
YOUR LOW PRICE: \$139

Telephone Accessories

Twisstop®

Stop tangled phone cords with Twisstop! Installs in seconds into the standard modular jack on any handset.

Item #085TA223
YOUR PRICE: \$5



Message Stopper

For answering machines and fax machines. For answering machines which don't automatically disconnect when an extension phone is picked up, Message Stopper performs that function.

Item #085TA222 **\$10**



25 ft. Curly Cord with modular plugs at both ends.

Item #085TA65AL Almond **\$4**
Item #085TA65BL Black **\$4**
Item #085TA65WH White **\$4**

25 ft. Line Cord with modular plugs at both ends.

Item #085TA66 Beige **\$3**

From Crutchfield's *Personal Office* Catalog...

In the Crutchfield *Personal Office* catalog, you'll find exceptional values in personal computers and the latest products for your home office or business. We've got the hottest fax machines, copiers, telephones, and office accessories. And you'll see the entire line of Crutchfield Personal Computers: from starter systems to super-fast machines for business.

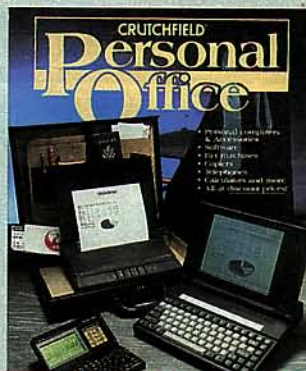
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Here's the computer you've been waiting for: a complete Crutchfield 286/12 SlimLine PC System.

What's the perfect computer for your home? There are countless systems on the market, but none that are as good a value as our Crutchfield 286/12 SlimLine. We give you everything you need to get started. (And when you're ready to upgrade to do more, our system will be ready.) Take a look at how much computer you can get for just \$1399.

- Our sleek, space-saving SlimLine 286/12 PC measuring just 15½" wide, 15¾" deep and 4" high) with 1 megabyte of RAM, a 1.2 megabyte 5¼" floppy disk drive, and three 16-bit expansion slots for add-ons
- 40 megabyte Hard Disk Drive for fast access to your programs and data
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- Panasonic KX-P1180 high-speed dot matrix printer
- Our Mouse for easy system operation: just move the on-screen pointer and push a button
- Microsoft Works includes the key programs you need: word processing, spreadsheet for number-crunching, data management with report generating, and telecommunications
- Custom-built for you by Crutchfield's own technicians, and thoroughly tested
- Unlimited technical support, toll-free
- 2-year warranty

YOUR LOW PRICE: \$1399



This complete system includes the Crutchfield 286/12 PC (shown with the optional Canon 3½" floppy drive, \$79), color VGA monitor, Panasonic printer, Microsoft Works, and a mouse.

Telecommunications Upgrade

Open up a world of computing possibilities by adding a modem to your system. A modem lets your PC talk to other computers and exchange information. Subscribe to the Prodigy on-line service, with the included starter kit, to use your PC for home banking, making airline and hotel reservations, electronic mail, up-to-the-minute news and information, an on-line encyclopedia, and much more. Order this upgrade package with your Crutchfield PC and we'll install the Viva 2400bps modem free when we custom build your system.

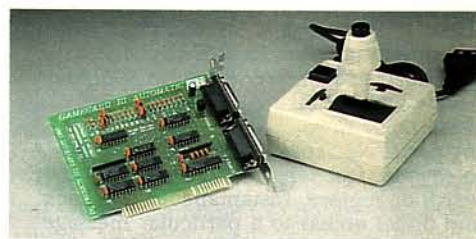
Item #700COMMPKG
YOUR LOW PRICE: \$119



Windows System Upgrade

Running your computer becomes push-button easy with Microsoft Windows. This "graphical user interface" program takes control of your entire system, so all you need to do is point-and-click with your mouse. To run a program, just point to its symbol. You can switch back and forth between your word processing, spreadsheet, database, or other programs at the click of a mouse button. To take advantage of Windows capabilities, we'll also install an additional 1 megabyte of memory when we build your system for you.

Item #700WINPKG
YOUR LOW PRICE: \$199



Entertainment Upgrade

Computers are great for playing games, too. With this upgrade package, we'll install a GameCard III board (with two joystick ports) when we build your system. We also include a Mach 1 Plus joystick, with dual axis trim controls and two firing buttons. We stock the most popular computer games (like Falcon AT, Microsoft Flight Simulator, Battle Chess, and more), so give us a call for an expert recommendation.

Item #700ENTPKG
YOUR LOW PRICE: \$59

386-SX System Upgrade

If you need the power of a 386-SX-based computer, we can build your system using our 386-SX SlimLine system unit, rather than the more economical 286/12. Our 16 MHz 386-SX is faster, it runs more software, and can run multiple programs

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You won't have to put up with a high-pressure sales pitch. Our highly-trained Sales Advisors will work with you to find exactly what you need. We'll make your shopping as easy as possible.

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Our toll-free departments are open **8am to midnight** (Eastern time), **seven days a week!**

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Every product we sell comes with our 30-day guarantee that you'll be totally satisfied. If for *any* reason you're not completely delighted with a Crutchfield product, just return it within 30 days for a full refund.

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Typically, your order is on its way to you within 24 hours. You pay a handling charge of just \$3, regardless of how big or small your order. We pay for UPS shipping. Simple, straightforward and no hidden charges.

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Only Crutchfield has "Albert"—the computer with the world's most complete storehouse of information on car and home stereo equipment. Your Sales Advisor or Technician has instant access to product features, specs, dimensions, compatibility and installation information. We've organized all this knowledge to help you choose the equipment that's best for you. Call us and pick Albert's brain.



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With your purchase, you can request a *free* copy of our home stereo or car stereo installation books. These picture-packed booklets are filled with helpful tips on installing, operating, and troubleshooting your new equipment.

And, we have Consumer Information Guides on a variety of subjects, free with any purchase. You'll find them listed on pages 6 and 90.

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Only Crutchfield has a full-time Technical Service department that customers can call toll-free for expert answers to any installation, troubleshooting, or equipment questions.

Toll-Free Customer Service

If you ever have any problem with an order, just call our Customer Service department at 800-446-7924. The call is free, and we'll be glad to help.

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Quick, professional repair service for many of the products we sell is available from our in-house, factory-trained repair staff. If you ever need help, call us to find out the quickest, most convenient way to get your component fixed right.

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